SERA
Now! The most Recognized Regional Amateur Magazine in the Nation

Repeater Journal

The Official Voice of SERA, Inc.
Aug., Sept., Oct. 2002 3.00

IND
ER
SIDE

FILE COPY

Amateur Radio Outdoors!

ARDF USA Championship
Atlanta, GA

VHF Contesting on the Blue Ridge Parkway

Field Day - Everywhere
(This one's in Raleigh, NC)

In this issue:
The State of Packet 2002
News from SERA States
and Lots More...

Address Service Requested

PRESORTED STANDARD
U.S. POSTAGE PAID
Permit No. 383
Greensboro, NC

SERA - Southeastern
Repeater Association, Inc.
P.O. BOX 215
TOBACCOVILLE, NC 27050

Go Mobile!

get there with COMET™ & Maldol Antennas

COMET NEW **HT-224** • Tri-band 2M/220/440MHz HT Antenna
Gain: 1.3/1.4/1.8dBi • Length: 11.5" • Conn: Male SMA

Maldol NEW **MH-610** • Tri-band 2M/220/440MHz HT Antenna Super-flex whip
Gain: 0/1.8/3.2dBi • Length: 14" • Conn: Male SMA

Maldol **MH-510** • Tri-band 52/146/446MHz HT Antenna w/SMA Conn
Gain: 0/0/3.2dBi • Length: 20.75" • Conn: Male SMA • Max Pwr: 10W

Maldol **MH-209SMA** • Dual-band 146/446MHz HT Antenna w/SMA Conn
Gain & Wave: 0 1/4 wave • Length: 3" Flexible rubber • Conn: Male SMA • Max Pwr: 5W

NEW Challenger Series
COMET'S Newest Mobiles!
Sleek, Super-Flexible,
Dark Chrome Finish

COMET **SB-14** • Tri-band 52/146/446MHz w/fold-over
Gain & Wave: 52MHz 0 gain 1/4 wave • 146MHz 3.5 dBi 1/2 wave center load • 446MHz 6dBi 5/8 wave center load • VSWR: 1.5:1 or less • Length: 43"
• Conn: PL-259 • Max Pwr: 120W (FM)

COMET **SBB-7/SBB-7NMO** • Dual-band 146/446MHz w/fold-over
Gain & Wave: 146MHz 4.5dBi 6/8 wave • 446MHz 7.2dBi 5/8 wave x 3 • Length: 58" • Conn: SBB-7 PL-259/SBB-7NMO NMO • Max Pwr: 70W

COMET **SBB-5/SBB-5NMO** • Dual-band 146/446MHz w/fold-over
Gain & Wave: 146MHz 2.5dBi1/2 wave • 446MHz 5.5dBi 5/8 wave x 2 • Length: 39" • Conn: SBB-5 PL-259/SBB-5NMO NMO • Max Pwr: 120W

COMET **SSB-2/SSB-2NMO** • Dual-band 146/446MHz
Gain & Wave: 146MHz 2.15dBi 1/4 wave, 446MHz 3.8dBi 5/8 wave center load • VSWR: 1.5:1 or less • Length: 18" • Conn: PL-259 or NMO Style • Max Pwr: 60W

COMET **B-10/B-10NMO** • Dual-band 146/446MHz cellular look-a-like
Gain & Wave: 146MHz 0dBi 1/4 wave, 446MHz 2.15dBi 1/2 wave • Length: 12" • Conn: B-10 PL-259/B-10NMO NMO • Max Pwr: 50W

NEW

COMET NEW **C757/C757NMO** Challenger Series • Dual-band 146/446MHz w/fold-over
Gain & Wave: 146MHz 2.15dBi 1/2 wave, 446MHz 5.5dBi 5/8 wave x 2 • VSWR: 1.5:1 or less • Length: 38" • Conn: PL-259 or NMO Style • Max Pwr: 80W

NEW

COMET NEW **C767/C767NMO** Challenger Series • Dual-band 146/446MHz w/fold-over
Gain & Wave: 146MHz 3.5dBi 1/2 wave center load, 446MHz 6.0dBi 5/8 wave x 2 center load • VSWR: 1.5:1 or less
• Length: 40" • Conn: PL-259 or NMO Style • Max Pwr: 80W

40M Thru 70cm!

COMET NEW **UHV-6** • HF/6M/2M/70cm Mobile Antenna 40/*20/*17/15/10/6/2M/70cm
Gain & Wave: 2M 2.15dBi 1/2 wave • 70cm 5.5dBi 5/8 wave x 2 • VSWR: HF 1.6:1 or less, 6M-70cm 1.5:1 or less • Length: 44" (min), 78" (max) • Max Pwr: HF 120W SSB, 6M 200W SSB/100W FM, 2M/70cm 100W FM • *L-14 optional 20M coil • *L-18 optional 17M coil • L-3.5 optional 70-80M coil • Features: • 6M/2M/70cm operation is constant. You CHOOSE the HF coils you want to add, up to four stock or optional. One vertical, the rest horizontal. • Easily mounts to standard trunk/door mount in minutes • Economical • Fold-over hinge built in • Select the duplexer or triplexer for your specific radio(s). CF-706A, CF-530, CFX-514N.

COMET **UHV-6**
Fold-Over Position

Maldol NEW **EX-107B/EX-107BNMO** • Dual-band 146/446MHz
Gain & Wave: 146MHz 2.6dBi 1/2 wave, 446MHz 4.9dBi 5/8 wave x 2 • VSWR: 1.5:1 or less • Length: 29"
• Conn: PL-259 or NMO Style • Max Pwr: 100W

Maldol NEW **MSG-1100C** • Dual-band 146/446MHz w/spring whip
Gain & Wave: 146MHz 3.5dBi1/2 wave, 446MHz 6.0dBi 5/8 wave x 2 • Length: 43" • Conn: PL-259 • Max Pwr: 150W

Maldol **MSG-1100C**
Spring absorbs vibration and impact

COMET NEW **CP-5M**
Universal mount and coax cable combo.
Heavy-duty, adjustable RS-730 trunk/van/SUV/truck door mount and deluxe cable assembly. 16' 6" length w/18" mini RG-188A/U type coax, gold-plated conns. Max antenna – 70".

NCG™ COMPANY

For a complete catalog, call or visit your local dealer. Or, contact NCG Company.
1275 N. Grove Street • Anaheim • California 92806
(714) 630-4541 • (800) 962-2611 • Fax: (714) 630-7024 • www.natcommgroup.com

SOUTHEASTERN REPEATER ASSOCIATION DIRECTORS, VICE DIRECTORS & ASSISTANTS

(Individual State Frequency Coordinators)

GEORGIA

DIRECTOR
Richard (Rick) Wright W4LOC
FREQUENCY COORDINATOR
93 Morrison Lane, Chickamauga, GA 30707
(706) 539-2334

VICE - DIRECTOR
Jeff Benjamin W4KMB
FREQUENCY COORDINATOR
1704 Cedar Lane #1, Flintstone, GA 30725
(423) 505-4747

ASST. DIRECTOR (Atlanta Metro)
M. Terry Jones W4TL
4816 Windwalker Dr. - Flowery Br., GA 30542
(770) 967-1466

ASST. DIRECTOR (S. GA.)
Scott Haner KB0Y
P.O. Box 2500, Valdosta, GA 31604
(912) 244-9402

ASST. DIRECTOR
Dave Shiplet AC4MU
107 Mossy Lake Rd., Perry, GA 31069
(912) 987-3000

KENTUCKY

DIRECTOR
STATEWIDE COORDINATOR
Michael L McCown K4ITF
238 Hollybush Rd., David, KY 41616
(606) 886-8684

VICE-DIRECTOR
Tim Osborne K4TDO
P.O. Box 381
Happy, KY 41746-0381
606-476-9540 Home (evenings)
606-436-5757 Ext. 1275 Work (days)

MISSISSIPPI

DIRECTOR
STATEWIDE COORDINATOR
Steve Grantham N5DWU
P.O. Box 127, Ellisville, MS 39437
(601) 477-2502

VICE-DIRECTOR - Vacant

NORTH CAROLINA

DIRECTOR
Danny Hampton K4ITL
5453 Rock Ser. Sta. Rd., Raleigh, NC 27619
(919) 662-9797 - (fax) 662-4149

VICE-DIRECTOR
STATEWIDE COORDINATOR
Frank A. Lynch W4FAL
2528 Oakes Plantation Dr., Raleigh, NC 27610
(919) 217-1999

ASST. DIRECTOR
Bob Lukaszewski K4HA
6009 Brass Lantern Ct., Raleigh, NC 27606
(919) 833-0199

NC ASST. DIRECTOR
Chuck Wright K4NYS
5310 Woodsdale Rd., Raleigh, NC 27606
919-851-7218 (h), 919-215-8333 (cell)

SOUTH CAROLINA

DIRECTOR - COORD WEST SC
Roger Gregory W4RWG
102 Partridge Road, Union, SC 29379
(864) 427-1462

VICE-DIRECTOR - COORD EAST SC
Jim Cantrell WJ4C
33 Ben Black Rd.
Union, SC 29379
(864) 427-3823

TENNESSEE

DIRECTOR - COORD EAST TN
Tim Berry WB4GBI
214 Echodale Lane - Knoxville, TN 37920-5042
(865) 579-3494

VICE-DIRECTOR - COORDI WEST TN
Andy Masters, NU5O
240 West White Road
Collierville, TN 38017
(901) 853-8671

VIRGINIA

DIRECTOR
Jim L. Cambell K4YM
P.O. Box 697 - Montross, VA 22520
(804) 493-8278

VICE DIRECTOR
Jay Campbell N4YMY
12085 Cheroy Woods Ct. Ashland, VA 23005
(804) 752-6688 (h) 662-2747 (w)

ASST. DIRECTOR - WEST
Don Williams W4VT
412 Ridgeway Dr. - Bluefield, VA 24605
(276) 326-3338 - (Fax) 322-2282

ASST. DIRECTOR - EAST
Charlie P.L. Stokes WB4PVT
494 Pamela Drive, Newport News, VA. 23601
(757) 595-2355

WEST VIRGINIA

DIRECTOR - COORD NORTH
R.T. (Dick) Fowler N8FMD
Route 5, Box 737P, Clarksburg, WV 26301
(304) 623-9479 - (304) 623-9979 (fax)

VICE DIRECTOR - COORD SOUTH
H. Alex Hedrick, Jr. N8FWL
P.O. Box 417, Beckley, WV 25802
(304) 252-6611 (h) 673-6611 (w)
(304) 255-5224 (fax)

Asst. DIRECTOR - North
Doug Cutlip KC8AJH
Rt. 1, Box 277AA, Philippi, WV 26416
(304) 457-1743 (h), (304) 472-4596 (w)
(304) 457-4987 vmail/fax

TO CONTACT A COORDINATOR VIA EMAIL: theircallsign@sera.org

AUG, SEPT, OCT 2002 - ISSUE 3

SERA Repeater Journal
The Official Voice of SERA, Inc.

By Far . . . The Most Recognized Regional Amateur Publication in the United States

The Voice of the SouthEastern Repeater Assn., Inc.
Published 4 Times A Year in Feb, May, Aug, Nov
Exclusively for Southeastern Repeater owners and users.

Editorially Speaking . . !

Journal-ism

In the May *Repeater Journal* we reported that the FCC ordered the NY4X repeater off the air. The repeater was owned by John Parker AG4AZ of Brevard, and was operating from a mountaintop near that town.

The first point I want to make is that, to me, this was big news. It's one of a very few repeaters shut down by the FCC. And it was a fairly clear cut case of Riley Hollingsworth looking at who had coordination and who didn't, and reaching a decision. Call it "putting teeth in frequency coordination."

Coordinators across the country have never had such sharp teeth before. Until recently, a ham who wanted to put up a repeater but couldn't get frequency coordination, or just didn't want to bother, didn't have much to worry about. Maybe a few verbal slings and arrows from their peers and the ham community, but I'd say most didn't care. If the repeater did cause interference to other established operation, there wasn't anything SERA could do, or the FCC would do, about it.

That has changed. And while Coordinators still can't guarantee action, Riley Hollingsworth is clearly and fairly quickly responding to interference complaints, using coordination data as a primary tool. One result: SERA's list of "uncoordinated" repeaters is shrinking, as our coordinators are working with the newly motivated owners of machines on the list. Most of them are achieving coordinated status.

My second point is that suddenly SERA and other Coordinators have more responsibility. The "Coordinated" status we bestow on a repeater has a lot more meaning. SERA has always taken this seriously, but the stakes have been raised.

My third point, and the reason for titling this column "Journal-ism," is the *Repeater Journal's* role. The article about Parker's repeater included some pointed comments he made in an interview. He felt that SERA was treating him unfairly. At the time, he felt it was deliberate. He was angry.

The SERA Board was concerned about letting him criticize - make that attack - SERA and its coordinators *in our own magazine*. When I took the job of editor, I said I recognized that the *Journal* is a "house organ," not an independent magazine. But I wanted to maintain as much objectivity and fairness as I could - to tell both sides. The coordinators weren't sure what that would lead to, but they said OK. Now that they've seen an example, they still say OK. And that is part of accepting responsibility.

Gary Pearce KN4AQ, Editor

SERA OFFICERS & STAFF

PRESIDENT
Don Williams, W4VT
412 Ridgeway Dr.,Bluefield, VA 24605
(276) 326-3338 - (fax) 322-2282

VICE-PRESIDENT
Richard (Rick) Wright W4LOC
93 Morrison Lane, Chickamauga, GA 30707
(706) 539-2334

TREASURER
Johnny Wofford, WA4ETE
6781 Oakmoor Circle S. - Bartlett, TN 38135
(901) 384-4349 - (fax) 384-3879

SECRETARY
H. Alex Hedrick, Jr., N8FWL
P.O. Box 417 - Beckley, WV 25802
(304) 252-6611 (h) 673-6611 (w) (fax) 255-5224

EXECUTIVE COMMITTEE
Don Williams W4VT (540) 326-3338
Richard (Rick) Wright W4LOC (706) 539-2334
Johnny Wofford WA4ETE (901) 384-4349
H. Alex Hedrick, Jr. N8FWL (304) 252-6611
Danny Hampton K4ITL (919) 662-9797

TECHNICAL COMMITTEE
Danny Hampton K4ITL (Chrmn) (919) 662-9797

FCC LIASON COMMITTEE
Frank Lynch W4FAL, (Chrmn)

FREQUENCY COORD. COMTE
Dick Fowler N8FMD
Plus - The Eight SERA District Directors (Pg. 1)

SYSTEMS ADMINISTRATOR
MEMBERSHIP COMMITTEE CHRMN.
W. David Ward W4WDW
P.O. Box 215 Tobaccoville, NC 27050

DATABASE MANAGER
Frank Lynch W4FAL

COORD's SOFTWARE DEVELOPMENT
Jeff Benjamin, W4KMB
Jay Campbell N4YMY

ASSOC. MBRSHIP EMERITUS
Lindsay Cleveland W4IZI

SERA OFFICE STAFF
Sharon Ward

INTERNET MANAGER
Alex Hedrick N8FWL, (Chairman)

REPEATER COORDINATION HELP
See Your Individual State Director on Page 1

SPECIAL ASSISTANCE LINE
1-888-HAM-SERA or E-Mail: help@sera.org

INFORMATION - info@sera.org

PIPELINE TO PRESIDENT - w4vt@sera.org

REPEATER JOURNAL STAFF

EDITOR - PRODUCTION COORD.
Gary Pearce KN4AQ
116 Waterfall Ct., Cary, NC 27513
(919) 380-9944

ADVERTISING DEPARTMENT
Mike Lewis WA4KE
3401 Apple Meadow Dr., Fuquay-Varina, NC 27526
(919) 552-9118 home, (919) 549-1561 w

FEATURE WRITERS
David Bower, K4PZT - *"Nostalgic Wavelengths"*
Randy McKenzie, KB4YFV - *"Get the Hammer"*
Marvin Whatley, AA4YW - *"Look at it This Way"*
Frank Lynch, W4FAL - *"The Repeater Workshop"*

STATE NEWS CORRESPONDENTS
M. Terry Jones, W4TL - GEORGIA
Michael J. Lewis, WA4KE - NORTH CAROLINA
Roger Gregory, W4RWG - SOUTH CAROLINA
Bob Gault, KD4NEC - TENNESSEE
Frank Belcher KS4XL - KENTUCKY
Don Phibbs, Jr. AD4QQ - STAFF CARTOONIST

Email any SERA person simply by:
theircallsign@sera.org

SERA
The Most Recognized Regional Amateur Magazine in the U.S.
Repeater Journal
The Official Voice of SERA, Inc.

Aug, Sept, Oct 2002
Volume 31, No. 3
Organized in 1971

" Completing 31 Years"
Of Continuous Service
To Amateur Radio

Presenting Page 2 . . . *In This Issue ...*

Editorial Comment! Journal-ism . . . 1
Busy Summer Board Meeting . . . 3
Georgia Hosts 2002 USA ARDF Championships . . . 10
Jackson MS Hams Cover Walk, 100 Mile Bike Ride . . . 13
The State of Packet - 2002 . . . 14
New Date for Virginia Beach Hamfest . . . 21
SERA Opposes SAVI . . . 21
SKYWARN Repeaters Update . . . 39
Journal Reader Says: IRLP Isn't Ham Radio! . . . 51
Hattiesburg Hams Provide Triathlon Communications . . . 56
Adventures on the Bus... Luxury Coach to Dayton . . . 56

Where to Find it Quick!

Directors/Vice Directors/Assistants 1
All About SERA - The Organization 2
SERA Officers, Committee and Staff....2
SERA Repeater Index State/City 23-32
SERA Repeater Index by Freq 32-38
Associate Membership Application 53
2001 Hamfest Calendar 59
Full Membership Application 60
SERA Advertisers Index 60

Tennessee News - Bob Gault 40
Georgia News - M. Terry Jones....42
South Carolina News - Roger Gregory....42
North Carolina News - Michael J. Lewis 47
Look at it This Way - Marvin Whatley....50
Nostalgic Wavelengths - David Bower 52
Kentucky News - Frank Belcher....53
Get the Hammer - Randy McKenzie....54
Getting Started - Gary Pearce....55

Check out the Official SERA Web Site: www.sera.org

About SERA

SERA, SouthEastern Repeater Association, Inc. is the largest, most well known, non-profit Repeater Coordinating Organization in the United States. SERA territory covers over 329,000 square miles across 8 states. Over 2,450 repeaters are available to more than 91,000 Amateurs from the Southeastern member States of Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, and West Virginia. In 2002, SERA completes its 31st year of service with our continued mission statement: "To serve the Amateur repeater owners and users of the Southeast by providing a voice of communications, information and education with the publication of the *Repeater Journal*, and the guidance of our State (Director) Coordinators, officers and volunteers."

About the SERA Repeater Journal Magazine

The *Repeater Journal,* voice of SERA is published quarterly, on the first of the months of February, May, August and November and mailed free to members of SouthEastern Repeater Association, Inc. DEADLINES: News and Ad copy due the 1st of the month, one month prior to publication. (Jan. 1 for Feb, Apr. 1 for May, Jul. 1 for Aug. and Oct. 1 for Nov. issues.) The *Repeater Journal* is mailed Bulk Rate at the Post Office in Greensboro, NC. The *Repeater Journal* newsstand cover price is $3.00 and is available from numerous retail Amateur Dealers in the southeast. News and newsletter exchanges should be mailed to the Editor or for coveratge to individual State corresponodents whose addresses are in this book under their indivudal State Columns.

REPRINT POLICY:

The SERA Repeater Journal is Copyright 2002 by The SouthEastern Repeater Association, Inc. Original stories, text, charts, graphics and photos (not including the Repeater Index) may be reproduced or printed by any organization without prior consent, with proper credit.

The SERA REPEATER INDEX may *NOT* be published or reproduced, in any form, by any indivudual, publication, electronic source, or any other means, for distribution without the express written consent of SERA, Inc. All other rights reserved.

About SERA Associate Membership

(A Membership for Repeater Users)

Amateurs, especially repeater users, are invited to join SERA as Associate Members. Only $8.00 per year will enable one to support the organization and receive the Repeater Journal. Associate Membership deadlines are the 15th of the month preceding months of publications - (Jan. 15, April 15, July 15, and October 15). Persons joining or renewing their memberships must have their application into the Tobaccoville Post Office Box by those deadlines to receive the next upcoming Repeater Journal, published the first week of February, May, August and November. Memberships received after deadline will receive the forthcoming issue the following quarter. HOT-P Associate Memberships (Repeater Journals mailed 1st Class rate) are limited to one year memberships at $14.25 per year. Regular membership Repeater Journals are mailed Bulk Mail. SERA does not issue receipts for Membership applications, nor are Repeater Journals forwarded to new addresses. If you move, we must be notified. Members should wait until next Repeater Journal comes out to report any problems. Write SERA Associate Membership, P.O. Box 215, Tobaccoville, NC, 27050-0215 for further information. Associate Members may hold appointive offices and positions within the SouthEastern Repeater Association, Inc.

About SERA Full Repeater Membership

(A Membership for Repeater Owners & Sponsors)

Officers and Directors are elected from Repeater representatives who are SERA Full Members. Any repeater owner or club may with a coordinated, operable, repeater, join SERA as a Full Member. Full Membership application, coordination information (if not on file) and $20.00 should be submitted for the annual Full Membership fee. Two Full Members, named and listed on the application by the owner, receive the Repeater Journal from each application. The Full Member repeater is also appropriately recognized as a SERA supporter in the repeater index with a "Smiley Face" (☺) code. All Full Memberships expire on December 31 of each year. Write SERA Membership, P.O. Box 215, Tobaccoville, NC 27050-0215 for further information.

Busy Summer Board Meeting

Gary Pearce KN4AQ

Friday Night Live

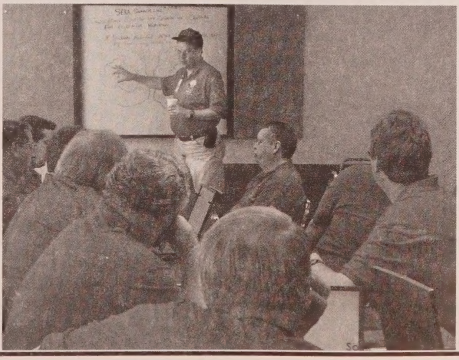
This year's SERA Summer Board Meeting got started a little early, with a visit to the Knoxville Hamfest's Friday Night "Preview." This was in interesting concept - a limited number of hams could register to get an advance look at the exhibit hall, and then attend a series of presentations. Hamfest Chairman David Bower K4PZT (who also writes a column for the *Repeater Journal*) managed to find room for a half dozen SERA Directors.

We snooped around the vendor booths for a while, and then sat in on a talk by Ten-Tec's Gary Barbour AC4DL, who reviewed the design process for the new Orion HF transceiver. It was a good start to our weekend of meetings.

Ten-Tec's Gary Barbour AC4DL showed a video of the Ten-Tec plant and discussed the design of the new Orion transciever.

Class Is In Session

Saturday morning saw another in a series of training sessions by Frank Lynch W4FAL. Frank's topic this time: Calculating Service and Interference Contours. That's how far a repeater is usable (the Service Contour) and how close they can be together before the signal from one bothers the users trying to listen to the other (the Interference Contour). Calculations use ERP and the repeater's height above average terrain *on each radial* to draw a map of the contours.

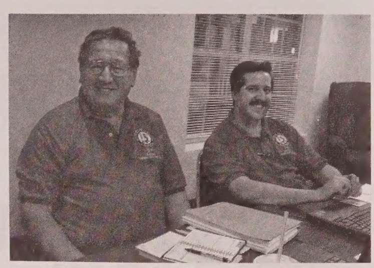


If this were a color picture, you'd see a sea of red SERA shirts as W4FAL reviews the fine points of calculating repeater service and interference contours. SERA is also evaluating sophisticated new software to analyze coverage patterns.

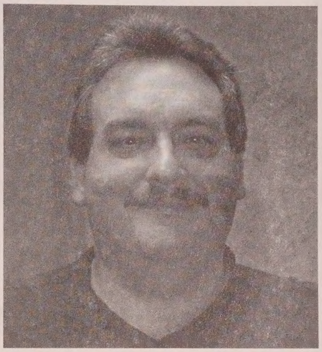
Personnel Dept:

As always, some changes in SERA officers:

- Andy Masters NU5O was elected Vice Director TN, and Brad Adams N4PYI has resigned as Assistant Director for TN.
- Tim Osborn K4TDO was elected Vice Director for KY.
- Don Williams W4VT resigned as Virginia Director, and was subsequently elected VA Assistant Director in an e-mail ballot. Don will remain SERA President, and Frequency Coordinator for western VA.
- As a result of Don's resignation, Jim Campbell K4YM was automatically promoted to VA Director, and Jay Campbell was elected Vice-Director to fill Jim's spot.



***All In the Family** Jim Campbell K4YM (left) becomes the new VA Director, while son Jay N4YMY (right) steps up to Vice Director*



***SERA Welcomes** Tim Osborn K4TDO as KY Vice Director. Tim operates several repeates in the Hazard, KY area, and is an computer tech/engineer for WYMT-TV.*

Coordinator Certification

Frank Lynch W4FAL announced that all SERA Frequency Coordinators have passed the certification exam. This makes SERA the only coordination body to certify that coordinators have advanced skills in determining whether new repeaters can and should be coordinated.

NFCC

SERA remains concerned that the NFCC (National Frequency Coordinating Council) is not fulfilling their mandate. NFCC President Nels Harvey WA9JOB responded to the article in the May Repeater Journal with a list of accomplishments, and discussed the question with GA Director Rick Wright W4LOC at the Dayton Hamvention. The Board felt that the accomplishments were worthwhile, but not up to the stature of a national organization. Meanwhile, the two NFCC goals that only such an organization could accomplish - building a national repeater database and assuring a "single point of contact" with the FCC - are unfulfilled.

SERA President Don Williams W4VT wondered if part of the problem was not enough participation from SERA, since we were the nation's largest frequency coordination body. NC Director Danny Hampton K4ITL responded that SERA has not had an ongoing dialog with the NFCC.

In the end, the Board took a vote to withdraw SERA's membership. That motion was defeated, but a second motion, directing SERA to ask the NFCC about progress on their original mandates was passed. The directors will review that reply and reconsider SERA membership in the NFCC at the January meeting.

SERA Receives K4MOB Callsign

As a memorial to Wayne Williams, longtime *Repeater Journal* editor, SERA has been granted K4MOB as a club callsign. The application received the approval of Wayne's family, which allowed the callsign to be granted without the two-year wait otherwise required for the call of a deceased ham to be returned to the pool.

SERA had not had a club callsign before. Frank Lynch W4FAL, trustee of the

Presenting the 46th Annual

SHELBY, NC HAMFEST

The Grand-daddy of them All!

SATURDAY AND SUNDAY

August 31, Sept 1, 2002

To Be Held At The Cleveland County Fairgrounds

SHELBY, NORTH CAROLINA

ACRES OF FLEA MARKET -- INDOOR DEALER BUILDINGS
CAMPING -- FOOD -- FORUMS -- PRIZES

ARRL Sanctioned and Proudly Sponsored by the Shelby Amateur Radio Club!

VOLUNTEER EXAMS BY WCARS/VEC

Saturday, August 31st at 2 PM and Sunday Sept. 1st, at 2 PM at The CLEVELAND COUNTY OFFICE BUILDING. Next to Food Lion and adjacent to the Hamfest grounds. NO PRE-REGISTRATIONS -- **WALK-INS ONLY.**

FOR MORE INFORMATION CONTACT: **Norman Harrill, N4NH, No. 7 Skylyn Court, Asheville, N.C. 28806**

Applicants must bring original and photocopy of present license, any certificates and picture I.D. to the examination session. Make Checks Payable to WCARS/VEC for $8.00.

AWARDS! AWARDS!

PRE-REGISTRATION AWARD -
VX5R Yaesu 2M-6M-440 MHz. H/T - Drawing at 9 AM Sat., Aug. 31st.

MAIN AWARDS -
IC-706-II ICOM HF/VHF Transceivers - Drawings Sat. 2 PM & Sun. 2 PM

HOURLY AWARDS -
IC-2100H ICOM 2m Mobile Transceivers given hourly
Drawings Saturday, Aug. 31st, and Sunday, Sep. 1st - beginning at 9 AM thru 1 PM.

We reserve the right to replace a listed prize with one of equal or higher value in the event of unavailability.

NO Member of the Shelby Amateur Radio Club or immediate Family is eligible to win any Awards.

Visit our web site at: www.shelby.net/n4fan

DEALER CHAIRMEN

Inside Dealers:
Barbara Elliott N4MRZ
P.O. Box 191
Fallston, NC 28042
Phone: (704) 538-7919

Outside Dealers:
Mark Beaver KA4TFP
2007 Taylor Rd.
Shelby, NC 28152
704-487-7574
ka4tfp@carolina.rr.com

GENERAL HAMFEST INFORMATION CONTACT:

John Ledford, W4JL
9555 Knob View Drive
Vale, NC 28168
Phone: (704) 462-4910
E-Mail: w4jl@shelby.net

or

Geraldine Lovelace, W4GBL
719 Washburn Switch Rd.
Shelby, NC 28151
Phone: (704) 434-2140
E-Mail: wd4nhm@shelby.net

GATES OPEN AT 6 AM
SATURDAY AND SUNDAY!
Bldg. Exhibits Open at 8 AM

The Shelby Hamfest

LOCATION - Cleveland Cty Fairgrounds on U.S. 74 Business, at intersection of NC 180, 3-1/2 miles east of Shelby, NC.

FACILITIES - Indoor buildings for new equipment dealers. Over 15 acreas for all types of tailgating. Lots of FREE parking outside grounds.

REGISTRATION - $5.00 for pre-registration and $6.00 at the gate. All tickets good for both days. Children under 12 FREE. Pre-registration ticket requests received after August 25th will be held at the front gate.

OVER-NITE CAMPING - Facilities include over 40 sites with full hook-up, water, sewer and electricity. Sites available on a first-come basis and **none will be reserved under any circumstances.** Unlimited field space for self contained units.

- ✓ $15.00 per day for full hook-ups (Power, Water, Sewer)
- ✓ $10.00 per day - Camping with Power & Water
- ✓ $5.00 per day for Tent Camping (Space Only)
- ✓ $5.00 Add'l per day for Tent Camping with Power.

ATTENTION MOTOR HOMES: If you must drive your motor home away from your campsite, please notify the camping committee chairman, and receive your "Campsite Occupied" sign.

FLEA MARKET - The Shelby ARC reserves the right to limit the amount of flea market space which cannot be reserved, and is on a first-come basis, and not transferable.

CHARGES: $10.00 for each 10-feet of space. Gates open at 6 AM Saturday and Sunday. **VENDORS** - Requiring tents, contact: Mark Beaver KA4TFP, 2007 Taylor Rd., Shelby, NC 28152, 704-487-7574, ka4tfp@carolina.rr.com

ACTIVITIES - To be held **in Tent just below Fire Station.** 10:00 a.m. **Sunday School** will be followed by **Bingo** for ladies.

SATURDAY FORUMS - **Will be held in the Fairgrounds Fire Station Meeting Room.**

10 AM ARRL Forum by Dennis Bodson, W4PWF
11 AM MARS forum by Sam Greer, K4SYR
1 PM SKYWARN by Greg F. Sellers, WB4HRR.
2 PM DX FORUM

SUNDAY FORUMS - Will be announced at the hamfest. For more info, contact Claude Oakes, NC4NC (704) 480-0050.

FREE PARKING - For Attendees - Across road from Fairgrounds Main Entrance on paved lighted lot.
HANDICAPPED & TAILGATERS use gate near intersection of Hwy. 74 Business and Hwy. 180

PLEASE NOTE - No X-rated Material to be displayed or sold. No Guns or any other type of weapons permitted at hamfest.
HAMFEST TALK-IN ON 146.28/88 - **HAMFEST INFO LINE** (Beginning Aug. 25th) - Direct line at Hamfest Site: (704) 480-6928

Some of the motels in the area are listed below. They recommend that you call well in advance - reservations may be a problem.

SHELBY, NC MOTELS
Holiday Inn Express - (704) 480-0881
Hampton Inn - 1-800-HAMPTON
Super 8 Motel - 1-800-800-8000
(Formerly Freedom Lodge)
Days Inn - 1-800-892-0418
Econo Lodge - (704) 482-3821
(Formerly Governor's Inn)

KINGS MOUNTAIN, NC (Exit 8 - I-85)
Comfort Inn - 1-800-221-2222
Ramada Inn - (704) 739-2544

GASTONIA, NC
Mid-town, Howard Johnson, Scottish Inn, Knights Inn, Econo Lodge, Hampton Inn, Innkeeper

LINCOLNTON, NC
Town & Country

GAFFNEY, SC
Days Inn, LaDel Motel, Comfort Inn, Holiday Inn Express.

FOREST CITY, NC
Gardo's Big Horn, Goodes, Henderson Inn, Comfort Inn

HICKORY, NC
Howard Johnson, Holiday Inn, Mull's Ramada Inn.

2002 SHELBY HAMFEST PRE-REGISTRATION FORM

RJ-8-02

I would like to Pre-Register for The 2002 SHELBY HAMFEST!

Enclosed is my check for: _______ Hamfest Tickets at $5.00 each. Total:____________
Children under 12 years-old FREE!

Mail Completed Pre-Registration form with your check. Include SASE for return of your tickets.

This is a gate admission ticket order only. There is a separate ticket for flea market space. It will be $10.00 for each 10 ft. of space.

Call____________Name______________________

Address______________________________

City________________State________Zip________

Phone: [   ] ____________________

Mail Completed Pre-Registration form with your Check, Please include S.A.S.E. for Return of tickets

MAIL TO: SARC
P.O. BOX 2206
SHELBY, N.C. 28151-2206

Pre-Registration Tickets Will Already Be In The Barrel. Note: No member of the Shelby Amateur Radio Club or immediate family is eligible to win any awards.

Quality and Reliability... Inside and Out

Built-In TNC and APRS™
Send color images on VHF/UHF/HF
NEW Built-In TNC and APRS™
FREE Operating Manuals via the FTP site*

UBZ-AL14
FRS FreeTalk™

UBZ-LH14
FRS FreeTalk™

TH-22AT
2 meters

TH-G71A
2 meters & 440 MHz

TH-D7A
2 meters & 440 MHz

TH-79AKSS
2 meters & 440 MHz

VC-H1
Visual Communicator

TM-261A/461A
2 meters/440 MHz

TM-541A
1200 MHz

TM-331A
220 MHz

TM-742AD/642AD
2 meters & 440 MHz/2 meters & 220 MH

TM-G707A
2 meters & 440 MHz

TM-V7A
2 meters & 440 MHz

TM-D700A
2 meters & 440 MHz

TS-50S
Compact HF All Mode

TS-570D/S(G) w/DSP
HF All Mode or HF + 6m All Mode

TS-870S w/DSP
HF All Mode

TS-950SDX w/DSP
HF All Mode

KENWOOD
Amateur Radio Products Group

KENWOOD COMMUNICATIONS CORPORATION
AMATEUR RADIO PRODUCTS GROUP
P.O. Box 22745, 2201 E. Dominguez St., Long Beach, CA 90801-5745
Customer Support/Brochures (310) 639-5300 Y2ARD-1987/#030900

ISO 9001
JQA-1205
Communications Equipment Division
Kenwood Corporation
ISO9001 certification

INTERNET
Kenwood News & Products
http://www.kenwood.net
Kenwood Bulletins
*ftp//ftp.kenwood.net

new license, has plans for using the callsign at hamfests and other on-air activities.

Frank wrote this comment about the call on the QRZ.com web site:

> The success of SERA over the past 30 years can be attributed to its people. People who chose to volunteer their time and work countless hours for the organization with no pay for their services, and the repeater owners and users who faithfully support the organization financially through voluntary membership, are the heart and soul of the organization.
>
> This is no more true than for Wayne Williams K4MOB (SK) who gave freely of his time, energy, and money to support this organization. It is with great pride that SERA was able to get Wayne's call in memoriam.

Talk to SERA

One of the activities that K4MOB will be used for is an informal "SERA Net" held on Saturday mornings. For the past year, a few SERA directors have been using the "big repeater in the sky" - the 80 meter band - for an informal conversation at 8:30 am on 3977 kHz. If you have the privileges and hardware, drop in and say hello - and listen for the K4MOB callsign running the net.

Auxiliary Stations Questioned

Frank Lynch W4FAL brought up the question of Auxiliary stations operating in the two meter band. This is a growing issue in relation to some IRLP "nodes," where a two meter radio is used as a link between the IRLP computer network connection and the local two meter repeater. The two meter link radio operates much like any other user on the repeater, transmitting IRLP audio on the repeater's input, and receiving the repeater's output to feed out to the IRLP network.

The problem is that the radio is acting an an Auxiliary station, defined in the rules as:

> **§97.3 Definitions.**
>
> **(7) Auxiliary station.** An amateur station. . . that is transmitting communications point-to-point within a system of cooperating amateur stations.

and that Auxiliary stations are not permitted on two meters. (They may operate on most frequencies above 222 MHz.)

Using a two meter radio as the link is appealing because it is relatively simple. No additional link radios, antennas or controllers are needed at the repeater site. The repeater sees the IRLP as just another user. The legal solution requires a link radio operating above 222 MHz at both the computer node point and the repeater - a considerably more complex arrangement.

The "link radio as user" scenario would be legal for repeaters operating on 222 and above, but it still might not be a good idea. The link radio may end up causing interference to a co-channel repeater for extended periods in the event of a band opening.

The FCC recently reiterated its position on Auxiliary stations when it denied Kenwood a waiver for the Sky Command system, which allowed the user to control and operate an HF station remotely using a dual-band VHF/UHF station. The ARRL opposed Kenwood's petition for a waiver to use two meters, citing band congestion as a main reason. The FCC merely said that Kenwood failed to meet the standard for a waiver.

Interestingly, IRLP type Auxiliary links do not use extra spectrum, since they operate on frequencies already in use by the repeater. Interference to a co-channel repeater remains as a potential problem.

The IRLP has also proliferated a number of "simplex nodes" - stations that operate simplex and connect to an IRLP internet connection. Do they qualify as Auxiliary stations? If the rules are vague on that point, they are clear the issue of control. If the station is operated without a live control operator (under automatic control), it is an Auxiliary station, and not legal on two meters.

IRLP system operators note that this issue is currently being debated among the IRLP community.

IRLP isn't the only operation leading hams to put Auxiliary stations on two meters. Simple crossband repeaters also run afoul of the rules if they're used to link UHF repeaters to two meters. (Crossbanding a two meter repeater or simplex channel to a UHF channel is legal.)

ATV on 420 MHz Revisited

The Board returned to the problem of ATV repeaters in the 420 MHz band. At issue is the use of "in-band" ATV repeaters on 420 MHz - repeaters with both input and output inside the band. Frank Lynch reviewed the issues:

- There are four channels commonly used for ATV on UHF: 421.25, 427.25, 434.0, and 439.25 Mhz.
- Each channel is 6 MHz wide (assuming a good vestigial sideband filter is in operation - otherwise an ATV signal is 12 MHz wide).
- Two of the ATV channels, 427.25, 434.0 MHz, overlay band segments where repeaters are prohibited. One of them - 439.25 - crosses a wide section of the voice repeater band, and has an audio subcarrier on a 443.75, a standard voice repeater output. Only 421.25 MHz is completely clear for ATV

www.thesignman.com

BADGES - CAPS - LICENSE PLATES & FRAMES - MUGS

DECALS - DESKSTANDS

TheSignMan *of Baton Rouge*

Rick Pourciau, NV5A
879 Castle Kirk Drive
Baton Rouge, LA 70808-6020

E-mail: rick@thesignman.com

Toll-free: 888-426-8241
Fax: 225-766-9387

PATCHES - STAMPS

FULL COLOR BADGES, DESKSTANDS, KEYCHAINS

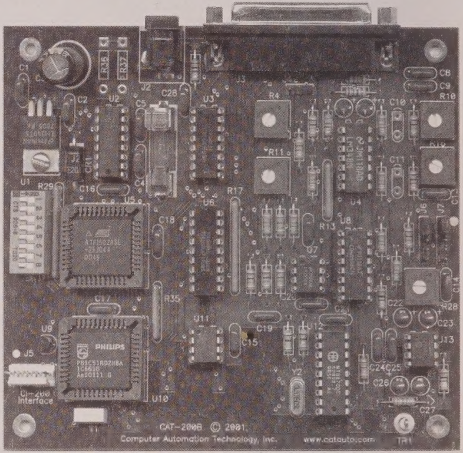
Computer Automation Technology, Inc.
CAT-200 Repeater Controller

Attention Repeater Operators!

The CAT-200 is an affordable priced repeater controller with a TI voice synthesizer, remote base port and a Peet Brothers Weather Station Interface.

Features Include:

- *TI Voice Synthesizer (335 Words)*
- *(12) Programmable Voice Messages*
- *Remote Base Port*
- *Peet Weather Station Interface*
- *DTMF Keypad Test*
- *(30) Control Functions*
- *(4) Logic Inputs*
- *(4) Output Switches*



Options Include:

- *19" Rack Mount Enclosure: $49.00*
- *Computer Interface with Windows ® Editor on CDROM: $59.00*

CAT-200 Repeater Controller: $179.00

For detailed information including a complete manual, visit us at www.catauto.com.

Computer Automation Technology Inc.

4631 N.W. 31st Avenue, Suite 142
Fort Lauderdale, Florida 33309
Phone: (954) 978-6171 - Fax: (561) 488-2894
Internet:http://www.catauto.com

ALFORD MEMORIAL RADIO CLUB

W4BOC

STONE MOUNTAIN
Hamfest
&
Computer Expo

Lawrenceville, GA

- *Major Prizes*
- *Half-Hourly Door Prizes*
- *Major Exhibitors*
- *Huge Tailgate Area*
- *V.E. Testing Both Days*
- *Forums*

Saturday, Nov. 2, 2002
9:00 am - 5:00 pm

Sunday, Nov. 3, 2002
9:00 am - 3:00 pm

e-mail: kr4nq@bigfoot.com

HAMFEST 2002 Pre-registration Form

Mail to: AMRC Hamfest 2002, P.O. Box 1282, Stone Mountain, GA 30086
hotline: 770-663-4244 ext. 3989

NAME ______________________ **CALL** __________

ADDRESS ______________________________

CITY ______________________ **STATE/ZIP** __________

PHONE (______) ______________ **FAX** (______) ______________

E-MAIL ______________________

______ Preadmission Tickets @ $6.00 each ($8.00 at the door, under 16 free) $ ______

______ Tables in the Flea Market (admission included) @ $20.00 ($25.00 with electric-hook-up) $ ______

______ Tailgate Spaces @ $8.00 each (plus Admission) (good all weekend, no spaces reserved) $ ______

______ RV Parking per night @ $5.00 no hook-up or $20.00 full hook-up $ ______

You must mail this form before Oct. 22, 2002. • Make Checks payable to: **AMRC Hamfest 2002** • All Reservations subject to Availabilty.

repeater activity.

Some ATV operators argue that the upper three ATV channels work because the RF energy from the TV transmitter is very low. An article on the P. C. Electronics web site (*ATV Repeater System Design*) discuss the question at length, claiming that

> Experiments showed most energy down >40 dB and random at any one spot frequency 1 MHz from the video carrier. This is below the FCC bandwidth definition of bandwidth (-26 dB) so technically does not violate the repeater prohibition in the 435-438 satellite segment.

That doesn't totally square with the FCC's definition of bandwidth:

> **(8) Bandwidth.** The width of a frequency band outside of which the mean power of the transmitted signal is attenuated at least 26 dB below the mean power of the transmitted signal within the band.

and the results of the experiments are debatable. Frank Lynch says that his observations of television signals on spectrum analyzers shows considerable energy throughout the channel, depending on what image was being transmitted. Broadcast television stations list their "occupied bandwidth" as 5.75 MHz.

Lynch noted that SERA has coordinated several ATV repeaters using these channels. However, he said that he talked informally to the FCC's Riley Hollingsworth and the ARRL's Dan Henderson, and their impression was that the three channels are not legal for ATV repeaters.

The board took no action regarding coordination of the ATV repeaters at this meeting, but will be surveying to find out how many of them are still on the air using the questionable channels.

Six Meter Band Plan Revision

As this issue goes to press, the Board is holding an e-mail discussion on revising the six meter band plan. The current plan accommodates multiple repeater offsets - .5 mHz, 1 MHz, and 2.51 Mhz. SERA was asked by other coordination bodies to endorse a 1.7 MHz offset plan.

Advantages of 1.7 MHz are that more channels could be accommodated, and duplexing is easier than with narrower offsets. Disadvantages are that antenna bandwidth typically doesn't get that wide on six, and the 1.7 MHz plan would conflict with some of SERA's current band plan.

Frank Lynch proposed in e-mail to eliminate the 500 kHz and 2.1 MHz offset plans (grandfathering the few repeaters using those offsets), and keep only the 1 MHz offset. The request to consider a 1.7 MHz offset would be turned down. This would simplify SERA's six meter band plan. Watch the SERA web site - www.sera.org - for an update on the six meter FUP. ■

Georgia Hosts 2002 USA ARDF Championships

Charles Scharlau NZ0I

Active Radio

The best in the US met near Pine Mountain, Georgia from April 20-21, 2002, to compete for the title of US Champion in their sport. Fourteen states, from California to New York, were represented at the Georgia games. When it was all over, seven participants residing in SERA districts headed home with eleven medals, seven of which were gold!

The sport played so well by these amateurs residing within SERA's districts is **Amateur Radio Direction Finding,** or ARDF. It is a young sport, and though its following is still small, it may prove to be the biggest thing to hit amateur radio since FM repeaters.

ARDF combines the strategy of chess, the navigation skills of orienteering, the practical radio knowledge of "foxhunting", and plenty of fresh air and physical activity. The combination is tremendous fun and has broad appeal. Not everyone can attain the level needed to be a world-class competitor in this radio sport, but anyone of any age can enjoy taking part in the events. Even non-radio amateurs can fully participate.

Amateur Radio Direction Finding, as the name implies, involves tracking down hidden transmitters, but it is not your run-of-the-mill transmitter hunt. ARDF events are held in beautiful wooded areas, with some hills and valleys, to help make the course challenging. Competitors search on foot for as many as five transmitters, along a course that can be up to six kilometers (4 miles) in length. A map, a compass, a receiver, and a directional antenna are the only tools the participants may use to assist them in their search for the transmitters.

There's more to ARDF than just the championship competitions like the one held in Georgia. Informal ARDF practice events are held throughout the year, and are much less structured than the championships. Practice events help serious competitors hone their skills, and they allow the casual transmitter hunter to get in on the fun. At practice events the game of ARDF can be enjoyed at a leisurely pace, individually or in small groups. Practices are an opportunity to take a casual stroll in the woods with a friend and your radios. If you prefer, you can increase the pace, and turn your ARDF

Charlie Siler KO4NO *of Newnan GA, belies the traditional image of the average ham (middle aged, balding and pot-bellied - just go to any hamfest and see!). Charlie won both two and eighty meter contests for men 50+.*

On the cover: *author Charles Scharlau NZ0I approaches the two meter finish line for a 2nd place finish. Charles introduced ARDF style fox hunting to the Raleigh/Durham area, and sponsors several transmitter hunts each year.*

Championship Results for Participants Residing in SERA Districts

Name	Call	State	Division	USA 2-meter Finish	USA 80-meter Finish
Arnett, Dick	WB4SUV	KY	M 50	4th	3rd
Carr, Martha	no call	GA	F 50	1st	1st
DeYoung, Brian	K4BRI	KY	M 40	6th	2nd
Farrell, Bill	no call	GA	M 60	-	1st
Haywood, Kevin	N4MGB	GA	M 40	5th	6th
Meyer, Valerie	KG4QWE	VA	F 21	1st	1st
Scharlau, Charles	NZ0I	NC	M 21	2nd	2nd
Siler, Charlie	KO4NO	GA	M 50	1st	1st

practice into an aerobic workout, which exercises your body, your mind, and your radio skills. ARDF practice events are a great way to get young children involved in radio even before they are licensed. They are also a fun way for older hams to remain physically active while engaging in their favorite hobby: amateur radio.

ARDF in SERA-land

ARDF began in Europe over 30 years ago, and its popularity quickly spread to Asia and Australia. But it was has been slow to reach the United States. World Championships sanctioned by the IARU[1] have been held bi-annually since 1980[2]. But the United States has fielded teams for only two of those world events: 1998 (Hungary) and 2000 (China).

The games in Georgia were just the second USA ARDF Championships ever held[3]. The fact that Georgia was chosen as the site for the second U.S. Championships is an indication of just how established the sport has already become in the Southeast. The sport's success in Georgia is due in large part to the efforts of Sam Smith (N4MAP), Laurie Searle (KG4FDM), and the support of the Georgia Orienteering Club (GAOC), who have worked hard to bring the sport to the Atlanta area.

The participants at the April games in Georgia were vying for the honor of being on the third U.S. team to compete at the World Championships. Those who turned in the best times were extended invitations to represent the United States at the 11th ARDF World Championships, to be held in September, in the Slovak Republic. You can read more about it at the 11th ARDF World Championships website: **www.ardf.sk/**. Thanks to their strong performance, several SERA district residents will be making the trip to Eastern Europe this fall.

The Rules and the Tools

ARDF rules are established by the International Amateur Radio Union (IARU). The rules specify the types of transmitters that are used, their antennas, and their placement. The rules also place certain restrictions on the participant's' equipment, and prescribe how the game is played.

Like most outdoor sports, ARDF has a playing field. In this case the "field" is actually a wooded area. In addition to the usual woodland creatures, ARDF venues are populated with five synchronized transmitters, each having an output power between 1 and 3 Watts. All five transmitters share the same frequency, and take turns transmitting for 1-minute intervals: transmitter #1 takes its turn, then transmitter #2, and so on until the cycle starts over after the fifth transmitter has had its turn. Thus there is one, and only one, transmitter on the air at all times. Each transmitter identifies itself with a unique identifier, so it is easy to tell which transmitter is on the air at any time.

The transmitters, and their antennas, are typically camouflaged so that they are practically invisible to the hunters. An orange-and-white flag is placed near each transmitter to let the hunters know that they've found the right spot. Attached to each flag is a punch that the hunters use to mark their scorecards to prove that they arrived at the flag.

When the hunters take to the field their sporting equipment includes a detailed topographical map, a reliable compass, and their radio direction finding equipment. The hunters start separately at five-minute intervals, and hunt independently.

For fairness, the participants are divided into age and by gender divisions, and they compete only against those in their division. Participants in separate divisions are required to find different sets of transmitters. For instance: the women's 35-and-older division is required to find four transmitters, men in the 60-and-older division need find only three transmitters, while men and women in the 21-and-older divisions are required to find all five transmitters.

The participants finding the most transmitters are declared the winners in their division. Ties are settled by least time spent hunting. A strict time limit, usually 2 hours, is imposed during competitions. Competitors who take longer than the limit are disqualified.

Rules for competition on the 2-meter

NHRC
REPEATER CONTROLLERS

NHRC-10 Advanced Repeater Controller

True Speech
- More than 90 real speech "canned" words in a 10 minute DVR used for controller messages and prompts.
- Four real speech ID messages you record yourself.
- Three real speech tail messages you record yourself.
- Speech can be custom recorded for local language support.
- Six-slot voice mailbox.
- Audio test mode records user's audio and replays to user.

Full Duplex Autopatch
- 100 autodial slots with an additional 10 Emergency autodial slots.
- Four area codes supported with grant/deny access control to each exchange.
- "Reverse Patch" & DTMF control over telephone with a dedicated DTMF receiver for telephone control.

Link Port w/ ICOM® CI-V Remote Control
- Allows remote base, link radio, or slave repeater to be connected.
- Unique courtesy tones indicate link/remote base status.
- Link port can have DTMF control.
- CI-V control of most ICOM® HF radios, including the IC-706 MkIIG to provide a frequency-agile remote base.

Other Features
- Separate control receiver audio input with dedicated DTMF receiver.
- LiTZ & 911 message support.
- Transmitter fan control output.
- Over 70 control operator functions with five saved setup states.
- Real sine wave audio tones.
- DTMF access mode.
- "Carrier", "Carrier and CTCSS", and "Carrier or CTCSS" access modes.
- Granular security allows tailored control operator access.
- Jumper-selectable audio de-emphasis for main and link receivers.
- Available accessories include an 8 port digital output board and a 19" rack mount case.

NHRC-10 Advanced Repeater Contoller **$449**
plus shipping & handling

NHRC Repeater Controllers • 444 Micol Rd. • Pembroke, NH 03275
email: info@nhrc.net • phone: 603-485-2248 • http://www.nhrc.net

Call, write or see our web site for a Free Catalog

band and on the 80-meter band are identical, except of course for the transmitter requirements.

Getting Started

Acquiring the equipment you'll need for ARDF is easier than you might think. In fact, you may already have almost everything you need to start hunting.

An effective setup for hunting on 2 meters consists of a 2-meter handy-talky, an offset attenuator, and a homebrew yagi made from PVC pipe and steel measuring tape. If your handy-talky includes receive capability on 80 meters (or if you have a suitable handheld scanner) then the addition of a ferrite loop with sense antenna is all you'll need for hunting on that band.

Detailed instructions for attenuators, and antennas, are readily available on the Internet. Here are a few choice sites:

Tape measure beam & more projects:

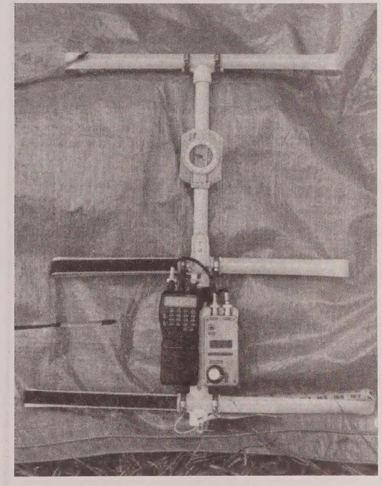
- home.att.net/~jleggio/projects/rdf/rdf.htm

Offset attenuators:

- members.aol.com/joek0ov/offatten.html
- www.qsl.net/nz0i/projects/attenuator/attenuator.html

More ARDF projects and equipment ideas:

- www.qsl.net/nz0i/equipment/equipment.htm
- home.att.net/~wb8wfk/foxfinder80.htm



Two meter "tape measure beam" (with elements folded for storage), HT and active attenuator are the tools of the ARDF fox hunter.

What's an "active attenuator?" *You know that an HT receiver will overload when you get close to a transmitter, even with* ***no*** *antenna. The active attenuator, also called an "offset attenuator," is a mixer that shifts everything coming in from the antenna up the band a MegaHertz or two. You simply tune the HT to the mixer's output, and the pot varies the amount of local oscillator injection - down to almost zero when you get really close. Now, you can stand right next to the "fox" transmitter and still get a useful bearing from the beam. Plans are on the web, but you'll have to homebrew it - there are no commercially built models on the market.*

ARDF: Coming to a Forest Near You

In 2003 the USA ARDF Championships will still be close to SERA land. In fact, for amateurs in Kentucky, the games will be just across the Ohio River, near Cincinnati, Ohio, from July 30th through August 3rd. It could be several years before the games are again this convenient for SERA district dwellers.

You don't need to be an expert to participate in the USA Championships! In fact, a training session especially for beginners is generally held at the Championships venue on the day preceding the start of the games. So plan to attend if you can, even if it's your first time to try the sport. You can find out more about the 2003 U.S. games at their web site: **w3.one.net/~bfrey.**

There are currently three areas where amateurs in SERA districts can go for regular ARDF practice. If you're near one of these hotbeds of ARDF then getting involved in the sport is simple - contact your local coordinator and ask when the next event is scheduled.

Transmitters in the Woods on a Summer Morning

by "Robert Lost"

(Any resemblance to other poetry
is purely coincidental.)

Whose woods these are I think I know.
We have the park's permission though;
They will not mind me standing here
Reflecting on which way to go.

The ranger he must think it queer
To bring antennas way out here
Among the trees, the hills, and lakes
In search of flags with signals near.

I give my map a gentle shake
And scan it for the route to take.
The only other sound's the hush
That woodland summer mornings make.

The woods are lovely, dark, and deep,
But I hear transmitters gently beep,
And miles I'll go, so long and steep,
And miles I'll go, so long and steep.

SERA Region Contact Information:

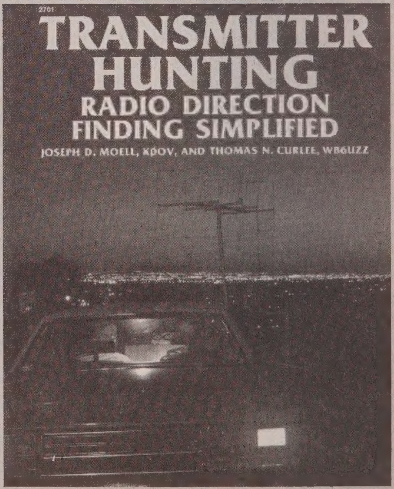
Georgia: Sam Smith N4MAP, www.mindspring.com/~sam.smith/gro
Kentucky: Dick Arnett, WB4SUV, wb4suv@arrl.net
North Carolina: Charles Scharlau NZ0I, www.qsl.net/nz0i/

If there is currently no ARDF activity

Where to Learn More

The Internet is currently your best source of up-to-date information on the sport of ARDF. Listed below are some web sites where you can learn more about the sport as it is played in the USA and abroad.

- Australia - pancho.ct.monash.edu.au/ardf/index.html
- USA - www.homingin.com
- Sweden - hem.passagen.se/rpo/
- Germany - www.darc.de/referate/ardf/main1.htm
- Holland - www.ardf.nl/
- IARU Region 1 ARDF Working Group - www.ardf-r1.org



2701

TRANSMITTER HUNTING
RADIO DIRECTION FINDING SIMPLIFIED
JOSEPH D. MOELL, K0OV, AND THOMAS N. CURLEE, WB6UZZ

Joe Moell K0OV, USA ARDF Coordinator, literally wrote the book on transmitter hunting, along with articles for all the major ham magazines. Our thanks for supplying the pictures accompanying this article.

Check his website:

www.homingin.com

going on in your area, then consider helping to get it started. You can begin by discussing it with other hams in your area, and maybe give a presentation at your local ham club. You can attain the necessary equipment gradually. A single transmitter is enough to start, then add transmitters one by one. [Note: these transmitters also make excellent foxes for drive-to style transmitter hunts.] A club project can help get members equipped with handheld yagis and attenuators.

Note 1: The International Amateur Radio Union (IARU) is the international organization of national amateur radio societies promoting amateur radio, and representing it before the International Telecommunications Union.

Note 2: No games were held in 1982.

Note 3: The previous USA championships were held in Albuquerque, NM in 2001.

First licensed in 1974 as Novice station WN5MIY, Charles E. Scharlau started transmitter hunting in 1991. After visiting a group of Canadian ARDF athletes in Victoria, British Columbia in 1999, he became interested in the sport. Charles works as an embedded software engineer for Sony Ericsson in Research Triangle Park, NC. He participated in both of the USA ARDF Championship competitions (2001 and 2002), and organizes ARDF practice sessions in his area. You can reach Charles at PO Box 2344, Chapel Hill, NC 27515; cscharlau@intrex.net.

Former SERA Vice-Director Becomes Colorado Coordinator

Doug Sharp, former SERA Virginia Vice Director who moved away to Colorado to take a position with Qualcomm, has been elected frequency coordinator for the State of Colorado.

John Thomson N5EHP reported on the Frequency Coordinator Mailing List:

"Everyone should be aware that the Colorado Council of Amateur Radio Clubs met last week-end and elected several new officers and a new Colorado Coordinator. I was successful in my bid to be un-elected, and the unanimous selection of the the council and its members was Doug Sharp K2AD. Doug brings to the office some very good experience and knowledge, he will do a great job for Colorado.

Doug can be reached at doug@dougsharp.com or via the CCARC home page at **www.ccarc.net**.

Jackson MS Hams Cover Walk, 100 Mile Bike Ride

Ron Brown AB5WF

The Jackson Amateur Radio Club provided public service communications support for the Natchez Trace Century Ride 2002 on Saturday, April 20, 2002. Approximately 250 riders left the staring point at 7:30 AM enroute for their turn around point. They had a choice of 25, 50, 62, or 100 miles. The last rider to complete the course had cycled 100 miles when she arrived at the finish line at 4:15 PM.

The use of the Pelahatchie Repeater on 147.240 greatly enhanced our ability to maintain good communications throughout the course, 50 miles up the trace from the Craft Center. No need for towers, cross band repeating, and other means required in previous occasions. Having an off site monitor was very helpful.

It was a long day, but a very good event. Worthy of note also, is the preparedness demonstrated by JARC members with back-up radios, antennas, and ability to repair and solve problems on the spot. Good training was enjoyed by all, and the Natchez Trace Century Ride 2002 was a solid success.

Later, the Jackson Club supported the March of Dimes WalkAmerica on April 27. The event was held in downtown Jackson covering a 3 mile route. About 700 individual walkers participated.

Eleven hams were posted around the course and used the 146.88 Repeater for operations. There was a lot of support from the law enforcement officials. They were impressed with our organization and asked if we were helping with the breast cancer walk upcoming.

One special feature was Terry Drake on his bicycle mobile. He was able to keep up with the "tail end" with no trouble.

Those hams who participated in the events were:

Ron AB5WF, Mike KI5MP, Kenny KD5KWS, Jimmy KD5FUY, Greg KD5HDZ, John KD5QQF, Ben AC5SU, Terry KD5JPB, Brad KM5WN, Ed W5GEJ, Tommy K5TMA. Jeff K5VU, James AK5J, and Farshid W5PFR.

If You're Looking for Books!
Or MFJ, Vectronics, Hygain Ameritron & Mirage call
RoseWood
Find Out Why So Many People Are Calling Us!
CALL 1-803-266-7900
■ Over 300 titles - ARRL, CQ, Gordon West, CallBook, Tab, McGraw-Hill, Schiffer, MJFJ, IBS and many others.
■ We have study guides, antenna books, callbooks, repeater directories, modification manuals, magazines, software, and even video courses.
■ We offer Same Day Service and COD Service.
■ We buy and sell used radios, TNC's and equipment..
■ We are also dealer for: MFJ, Vectronics and Hygain products, PLUS - Ameritron and Mirage Amps.
■ Fast Delivery ■ Reliable and Very Friendly Service
Call for our FREE Easy-to-Read CATALOG
Why Call all over creation for that particular book or software! We probably have it - IN STOCK!
A Full Line Dealer For: MFJ, HYGAIN VECTRONICS, AMERITRON & MIRAGE
Call Ray WA4OMM or Kathleen, KB4HWC!
RoseWood
P.O. BOX 229 ■ ELKO, SC 29826
Visit our store at 484 Rosewood Farm Lane, Elko - Sun-Thurs. 9 AM to 9 PM
WEB PAGE: http://www.hambook.com
EMAIL: rosewoodco@mindspring.com ■ See Us At Your Local Hamfest!

State of Packet - 2002

Paul Bohne AG4OO

And how to get started using it

Last year I became interested in exploring packet radio. It took lots of research and trail and error to figure out how to get started and what is out there to use. I learned a lot in the process, but I also got a sense that maybe I had missed the boat. The more I discovered about packet systems, the more I became aware that they are not what they used to be.

I also discovered that it is too difficult and time consuming to get started. This is a sad situation because packet is fun and there is a lot you can do with it. I thought if I could do something to better inform people about the packet systems that are still out there and provide some basic information about how to get started, in some small way, I might be able to encourage more users to try it and rejuvenate interest in what appears to be a dying technology. Hence the genesis of this article, which is written more for the beginner than the expert.

Why bother with packet in the first place?

The first question to be resolved by a new user contemplating diving into the packet radio morass is "why bother?" The ISP industry has made packet communications over the Internet very fast and easy which would appear to obviate the need for using packet radio.

Well, there are still a few very good reasons for getting into packet radio:

- It is another way to enjoy the hobby, and like other digital modes, it employs a RADIO and enables mic-shy or code-shy operators to capitalize on their typing and computer skills.
- It is a great way to learn about networking. Building a packet radio system is like setting up your own network, and the process exposes you to many more technical details than you get by calling an ISP and loading idiot-proof software to access the Internet. Some of these skills are transferable to a computer career path.
- In the event of a disaster, the Internet will likely fail. Having packet radio capability will enable you to still communicate and serve the public good. There are many ARES and RACES groups that have incorporated packet networks into their routine operating procedures.

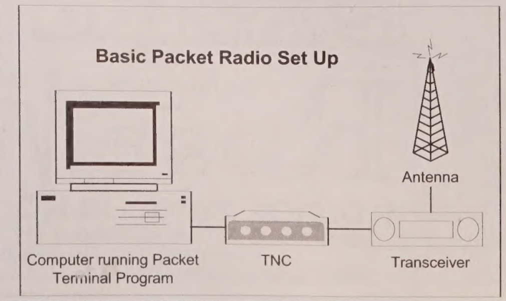
Packet radio operators enjoy one or more of the following applications:

- Real-time keyboard-to-keyboard QSOs with other packet operators
- Email-type messaging with individuals or groups via bulletin board systems
- Real-time receiving and sending notices of DX opportunities with other DX operators
- Broadcasting and receiving real-time positions reports to plot positions on maps
- Sending and receiving emergency traffic via computer
- Setting up and operating (being a SYSOP) a packet BBS, node, or cluster

What does it take to get started?

Many excellent tutorials have been written about getting started on packet. My favorite is the "Introduction to Packet Radio", which can be found online at **www.choisser.com/packet**. It boils down to the following six things you need to have:

1. A technician class license (VHF privileges)
2. A VHF radio and a good antenna
3. A terminal node controller (TNC)
4. A TNC-radio interface cable
5. A computer and terminal emulation program
6. Information about packet systems for the area


Basic Packet Radio Set Up

Most hams already have the first two; so most of the effort goes into the last four.

The TNC does the work of packetizing the data and modulating it for transmission over the radio. There are many brands as shown in the table below. They typically cost about the same as a nice mono-band HT.

Sample of Current Crop of TNCs

Manufacturer	Model	List Price
Kantronics	KPC3+	$179.95
MFJ	1270C	$129.95
PacComm	HandiPacket	$229.00
PacComm	PicoPacket	$159.00
PacComm	Tiny-2 MK-II	$159.00
TigerTronics	BP-2	$49.95
Timewave	PK-96	$199.95

TNC-radio cables can be built or bought. TNC to Transceiver interface diagrams for virtually every radio-TNC combination can be found online at **www.sedan.org/tnc2rad.htm.** Cables can also be purchased preassembled and tested from BUX CommCo. You can also build cables yourself if you are good with a soldering iron and figuring out connector pin-outs and functions. If you decide to build the cables yourself, plan on investing several hours to make a plan, acquire parts, assemble (strip wire, solder, and burn fingers), and test the cable. Acquiring or building cables seems to be the bane of getting into packet, so lean toward buying.

If you are running a PC, you will also need a **terminal emulator program.** Any one will do, but some are available that have features that make working packet easier. For example, some are specialized to work with particular TNCs, provide logging functions, and some even have remote radio control. Usually, TNCs ship with PC software that you can use to get up and running. There are also many packet terminal programs. Some popular TNC programs are listed below:

- Hostmaster
- PacTerm
- XPWin
- KaWIN and KaGold
- Multicomm

These can be downloaded from the Internet or some purchased through a ham dealer. To avoid premature packet burn-out, its probably easiest to start with the software shipped with the TNC and graduate up to the more specialized stuff once you get going.

Obtaining information about packet systems in your area is perhaps the most difficult, unless you are one of the fortunate few who have a good local packet Elmer or club to help you get started.

What Systems are Out There?

There are many packet system available in SERA territory, but not as many as there used to be. A lit-

VIRGINIA BEACH HAMFEST

And Electronics Flea Market

SEPTEMBER 28 & 29, 2002

ARRL Roanoke Division Convention

NEW LOCATION AND DATE CHANGE

PEMBROKE MALL
RT 264 EAST – EXIT 17 B NORTH
GO 4 STOP LIGHTS – TURN RIGHT IN FRONT OF SEARS AUTO CENTER
FIRST LARGE BUILDING ON RIGHT AFTER SEARS

SHOW SATURDAY 9:00 AM TO 5:00 PM
SHOW SUNDAY 9:00 AM TO 3:30 PM
DEALER LOAD – IN FRIDAY 12:00 NOON TO 9:00 PM
DEALER LOAD – IN SATURDAY 6:00 AM TO 9:00 AM

DEALERS

Lewis Steingold, W4BLO
1008 Crabbers Cove Lane
Virginia Beach, VA 23452
FAX (757) 486-0757

E-MAIL INQUIRIES TO
HAMFEST@EXIS.NET

TICKETS

Lynn Lilla, W9DJQ
848 Stacey Place
Virginia Beach, VA 23464

Please visit our Web Page at WWW.VAHAMFEST.COM
For more Virginia Beach Hamfest Information

Name ______________________________ Telephone ____________ Fax ____________

Business Name/Call Sign ____

Street Address ____

City ______________________________ State ______ Zip ____________

EVERYONE **MUST HAVE A TICKET**

---------- TICKETS $5.00 EACH (CHILDREN UNDER 12 FREE WHEN ACCOMPANIED BY PAYING ADULT)-------------

---------- TABLES $30.00 EACH (WHILE THEY LAST!) ------------

S.A.S.E. Required - Make Checks & Money Orders Payable to " TRCI " **TOTAL ----------------**

tle history is in order.

The packet radio revolution started in the early 1980's. Ham radio operators developed the AX.25 protocol and an implementation of it in the form of a standard terminal node controller. This predated the general public availability of the Internet, so hams were at the forefront of building packet networks. Hams went on to build applications that rode on top of the protocol such as Bulletin Board Systems, DX-Clusters, Nodes and switches, and position reporting systems. All of this, except for position reporting, hit a crescendo around 1996, and then the bottom dropped out. About that time, Internet access became readily available, which provided everyone a relatively rapid means to do a many of the same things hams did over the much slower packet network, so hams began to lose interest.

Since then, packet networks have been in a continual state of decline. Many packet nodes and systems have died along with their SYSOPs' interest in maintaining them for an ever-shrinking user base. Die-hard SYOPS continue to run systems, but the grand packet networks of the past have eroded to a tattered patchwork of a few well-maintained systems thinly connected with unreliable or spotty backbones.

However, there are still enough systems left for a new user to access. In fact, many SYOPS have opened ports to their systems on the Internet, where they can be accessed by anyone with an Internet connection.

The following sections describe packet systems and places to go to more detailed information to get started using them.

NADSD

The North American Digital Systems Directory (NADSD) is a database of digital system sponsored by the Tucson Amateur Packet Radio Corp (TAPR). It can be accessed online at **www.tapr.org/directory.** TAPR started the NADSD in 1997 following the decision by the ARRL to remove digital system listing from the 1997-98 *Repeater Directory*. The NADSD lists many systems in the SERA territory states. However, most listings are quite old having not been updated since 1996-97. The lack of updates from regional groups that feed the NADSD is prompting TAPR to consider shutting it down.

Even though the listings are old, the NADSD is still a good place to look to find systems in your area. It will at least provide frequencies to monitor for other systems beacons to which you may connect.

BBS networks

One of the first applications built to run on top of packet radio was the bulletin board system (BBS). The NADSD contains listing for many BBSes in SERA states, and hopefully many are still operating within range of most readers.

BBSes provide a means for users to send and receive messages (like email) or files asynchronously and across greater distances than would be possible via line of sight. Bulletin boards are setup and kept running by system operators (SYSOPS) who coordinate with other SYSOPS to create networks. Messages can be automatically forwarded and routed by the BBS systems based on the recipients unique address.

Most BBS's are *open*, meaning that any user can access and use the system. Upon first access, a new user will be prompted for their callsign and other information needed to establish a unique account on that system. Once an account is established, bulletins can be viewed and messages can be sent or received. SYSOPs usually post lots of bulletins that describe the system and its features, which can be useful to read to learn how to use their system.

Each user account gets a unique message address based on their callsign and the hierarchical address assigned to the BBS. For example, my BBS account address is:

AG4OO@W4RAL.#RTP.NC.USA.NOAM

In theory, any BBS user in the world could send a message to me using this address (assuming the links are in place to support message routing between the source and destination systems.)

Some SYSOPs have connected their BBSes to the Internet or satellite links to route messages. Some even permit users to log in via the Internet instead of by radio. A online directory of some of these gateways can be found at:

www15.brinkster.com/dl1eis/gates/list.asp?Land=USA

You can get an idea of how BBSes work without having your own radio-TNC setup by logging into one of these gateways via the telnet protocol over the Internet.

In my home state of North Carolina, there used to be a much more extensive BBS network than there is currently. The packet old-timers have told me years ago most BBS's in the state were part of a mesh network. Now many of the systems, and more importantly the backbone links that connect them, have been abandoned. The upshot is that it may no longer be possible to route messages everywhere you might want to go. The situation is probably similar through the SERA territory.

DX Clusters

The DX Cluster is similar to a BBS, but is more specialized to allow multiple users to share information about DX contacts in real-time. There are many DX Clusters still in operation with an almost religious following of DX-hungry users to support them. Some would say that DX Cluster is superior to the old BBS systems, but that is a matter of debate.

Users logging into a DX Cluster receive a stream of DX "spots" which contain information indicating the frequency and callsign of contacts other DX operators have discovered. Some of the packet terminal programs have special functions to interact with DX Clusters. For example, one packet terminal program I am familiar with can annunciate the DX contact information through the PC speaker!

DX Clusters also support messages and bulletins, and can be networked like BBSes. Networked DX Clusters enable users across the entire network to share spots in real time.

A good source of DX Cluster information is the DX WebNet at:

www.cestro.com/pcluster

The DX Webnet contains a directory DX nodes and also a directory and DX Cluster accessible via Telnet. Like for Internet-connected BBSes, you can try one of the Internet-accessible DX Cluster without a radio using a plain old telnet client or a specialized DX client like DXTelnet or DXSoft, which can be downloaded from the Internet.

If you are into DX, you should try a DX Cluster. It could help you to more quickly achieve your DX milestones.

APRS

Automatic Position Reporting System (APRS) is perhaps the hottest "new" packet application. APRS provides a way

The RF Connection
213 North Frederick Ave.
Suite 11RJ
Gaithersburg, MD 20877

Complete Selection of MIL-Spec Coax, RF Connectors and Relays

UG-21B/U N Male for RG-213/214 . . . . . . $5.00
UG-21D/U N Male for RG-213/214 . . . . . . $3.25

N Connectors for 9913/Flexi4XL/9096

UG-21B/9913 . . $5.75 Pins Only $1.50
UG-21D/9913 . . $4.00 Extra Gasket . . . $0.50

Amphenol 83-1SP-1050 PL-259 . . . . $0.90
UG-176/U Reducer RG-59/8X. . . 25¢ for 5/$1.00
UG-175/U Reducer RG-58/58A. . 25¢ for 5/$1.00
J&I Silver Teflon PL-259
MIL-Spec . . . . $1.25 or 10/$10.00

MIL-Spec Coax Available (Teflon, PVC 11A Certified CQ Flexi 4XL811A (Flexible 9913)

International's 9096-2A Low Loss
RG-8 Size, Stranded Center conductor
Same Specs as 9913 . . . . 70¢/ft or $59.00100 ft
RG-8X Clear w/UV Jacket 98% Cu . . $14.00/100/ft

Full Line of Audio Connectors for ICOM, Kenwood, and Yaesu

8 Pin Mike Female $2.00
8-Pin Mike Male Panel $2.50
13-Pin DIN for Kenwood $2.75
8-Pin DIN for ICOM. $1.00
8-Pin DIN for Kenwood $1.50
Prices Do Not Include Shipping

The R.F. Connection
"Specialists in RF Connectors and Coax"
Call for Specials of the Month!
ORDERS (800) 783-2666
Info (301) 840-5477
FAX (301) 869-3680

TEN-TEC

TEN-TEC is Now your Dealer!

ALPHA DELTA
WGA
AMERITRON The High Power Specialist
DIAMOND ANTENNA
M2
ARRL
DAIWA
LDG ELECTRONICS
MFJ
Amphenol
COMET
MIRAGE Communications Equipment
HUSTLER
Lakeview Company The Hamstick Folks
Maldol
BENCHER, INC.
butternut
RADIO WORKS
CABLE X-PERTS

Ten-Tec's Factory Store in Sevierville, TN now carries a full line of amateur radio accessories from other companies in addition to our own manufactured gear. Coax, wire, antennas, tuners, accessories - we've got it all.

Visiting the Great Smoky Mountains? Come see our factory store in person, order by phone ***(800) 833-7373***, or visit our Internet store at ***www.tentec.com***.

Store Hours: 8:00 am - 5:00 pm EST Mon. - Fri.
Phone Hours: 9:00 am - 5:30 pm EST Mon. - Fri.

1185 Dolly Parton Parkway
Sevierville, TN 37862
Sales Dept: 800-833-7373
Monday - Friday 9:00 - 5:30 EST
We accept VISA, Mastercard, and Discover

Office: (865) 453-7172
FAX: (865) 428-4483
Repair Dept.: (865) 428-0364 (8 - 4 EST)

(800) 833-7373

www.tentec.com

The Raleigh Amateur Radio Society says: Thanks for a great RARSFest 2002!

Be sure to mark your calendar for April 13th, 2003. RARSFest '03 just wouldn't be the same without YOU!

RARSFest
Hamfest &
Electronic Flea Market
Sunday, April 13th, 2003
8:00 am to 4:00 pm

www.rars.org/hamfest

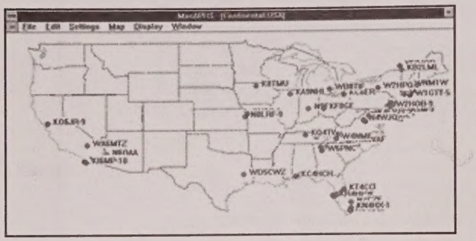
SOUTHEASTERN REPEATER ASSOCIATION SERA MEMBER
SPECIAL SERVICE CLUB ARRL
ARRL
RALEIGH AMATEUR RADIO SOCIETY RARS WORLDWIDE FRIENDSHIP

- RARSFest Supper Saturday Night
- VE Exams
- Special Interest Forums
- Homebrew & Operating Contests
- 110,000 Sq. Ft. Indoor Fleamarket
- QSL Checking
- Hamfest Prizes
- Dealer Space
- Free Parking
- NC State Fairgrounds, Raleigh, NC

for stations to broadcast positions reports and telemetry data via packet without knowing the details of the network.

To use APRS, you setup a packet station, load APRS software on your computer, tune to the correct frequency (145.39 Mhz) and *Shazam*. If you are within range of another APRS station or *digipeater*, you will receive position reports from other stations. The APRS software takes care of overlaying icons of station position reports on a local map to give you a spatial view of the network.

Not only is it fun, but APRS can be useful for public service events or emergencies where position reports can provide a tactical view. The figure below shows an example screen shot of an APRS map display.



Most current TNCs have APRS functions built into their firmware. If you have an old TNC or are buying a used one, you may have to get an upgrade to use APRS. There are many APRS-specific terminal programs available:

- APRSdos (DOS)
- MacAPRS (Macintosh)
- WinAPRS (Windows - Easy to use)
- APRS PLUS (Windows - for Street Atlas)
- UI-View (Windows - inexpensive)
- palmAPRS (Palm OS)
- Xastir (Linux - free)

There are a few tricks to APRS that are not easy for new users to figure out. For example, getting information about how to setup *unproto paths* is rather difficult to get a handle on. It is location specific. Usually, the APRS software has a default (relay, wide, wide), which can be used when in doubt.

Many APRS stations have been linked to the Internet and provide a gateway function for APRS traffic to flow across the world. There are also many APRS web sites that enable Internet users to see or list APRS activity. One of the more popular sites is **www.findu.com**, which provides a way to locate any APRS station that reached the Internet via a gateway. I use FindU.com as an independent method to verify my APRS station is working. I have also pointed my significant others to the site so they can monitor my location while away from home. (Fortunately, I can shut-down big brother by flicking the on/off switch on my mobile tracker when I want to.)

APRS can also be used for limited messaging. You might try sending some messages to other APRS stations you pick up. This may be a good way to find a packet Elmer who can help you learn more.

APRS stations have also been put on several spacecraft that can provide intermittent coverage across much of the earth. These systems are experimental and fun to use. Perhaps the two most notable of these are PCSat and the International Space Station. A different setup (frequencies and *unproto* paths) are used to access these satellites. More information about APRS can be found at **web.usna.navy.mil/~bruninga/aprs.html.**

All packet users should try APRS. If you are a new user, APRS is a good starting point since there is widespread APRS activity and you don't need to know much about other systems to get going.

SEDAN

Southeastern Emergency Digital Association Networks (SEDAN) network was founded by Glynn E. "Buck" Rogers Sr. K4ABT in 1986 for emergency communications. SEDAN is comprised of nodes providing 1200 baud user ports on 145.770 Mhz with 9600 baud backbone links on 51.120 Mhz.

Network routing is accomplished using The Node XJ11 protocol which handles all of the path routing details. In theory, users need only access a local node and connect to the destination node of their choosing by name. The network establishes a path automatically.

The network supports only keyboard-to-keyboard communications or personal BBS (PBBS) access (a PBBS is your own private mailbox built into many TNCs). No BBS forwarding traffic as allowed.

SEDAN nodes are located in FL, GA, NC, SC, VA, and WV. More information on the SEDAN is available at the national SEDAN website **www.sedan-central.org**. SEDAN encourages casual use to ensure the network is up an operational when needed in an emergency.

The SEDAN network has also deteriorated some since its heyday in the mid 90's. There are clusters of nodes that provide a user path for some distance, and then "dead-end" with no way to reach other parts of the network. But where you can make a connection, a live keyboard-to-keyboard chat works very much like the "instant messenger" programs on the internet.

VDEN

Similar to SEDAN, the Virginia Digital Emergency Network (VDEN) has been established by ARES/RACES groups in Virginia to provide emergency communications. VDEN users access the network on 145.73 mHz. Unlike SEDAN, VDEN uses a network of BBSes to store and forward traffic. The VDEN organizers have put together a very good set of guidelines, operating instructions, and maps of the network, which can be found starting at **ham.eit.com**. There are efforts underway in other states to build similar networks for emergency use.

So there are still a lot of systems out there, but are they likely to be there in the future?

Predictions about the future of packet

My crystal ball (rather cloudy) does not show good things for amateur packet radio. Past trends will most likely continue unless the ham community develops a new packet killer application or unless the ham community decides to rejuvenate interest in packet. Here is a pessimistic outlook.

- The packet user base will continue to decline as the new generation of hams is spoiled by high-speed and lulled into submission by ISPs and Internet replacements for radio links.
- The number of packet systems (BBSs, DX Clusters, and backbone links) will continue to decline as die-hard SYSOPs and users loose interest or move onto other things.
- APRS may grow for a while, but will be challenged by the introduction of cellular-based locating services planned for release by the telecommunication industry.

So, it would appear that in the future, packet radio systems could be relegated to curiosities that will only small pockets of local users. (Of course, modes declared obsolete never seem to die – do they?)

What can be done about it?

Given the dim outlook for the future, anyone who cares to change the trend should consider doing one of more of the following:

- If you haven't already done so, give packet a try – you may enjoy it. At least try accessing one of the packet systems available from the internet-side to see what they do.
- If you have experience, volunteer to mentor someone interested, put on a workshop at your local ham club, or publish information that will make it easier for new users to get started. Also, use your current BBS or DX Cluster to send messages to other hams rather than going back to the Internet to do what you as a ham can be doing WITH RADIO! Use begets use.
- If you are a SYSOP, regularly update your system information in one or

more of the system directories to enable users to find you. Almost all the entries in the NADSD for the SERA area are at least two or more years old. Update your old system information bulletins.

- If you want to be a SYSOP, coordinate with other SYSOPs in your area to configure properly to join the network. Find out how to build a system that will improve the overall packet network.

Results of The State of Packet - 2002 Survey

A notice was published about this upcoming article on page 11 of the May edition of the SERA *Journal*. Only a handful of operators responded, which seems to reinforce the assertion that packet is on its way out. The sample of respondents is not large enough to draw any conclusions, although most indicated that they are active on packet using at least one or more of the packet applications or networks described previously.

Several of these operators provided detailed information about their systems and usage in addition to their views about the future of packet radio With the help of these users, I developed a few online survey forms, which are available via Internet at:

home.nc.rr.com/pbohne/survey.htm

Readers are invited to complete the survey, and if there is sufficient participation, a summary of responses will be provided in a future issue. ■

ON THE COVER

Amateur Radio Outdoors is the theme of this month's cover. Hams have been hauling equipment into the elements since, well, since Marconi set up on the beach to listen for that "S" from across the ocean. It's just gotten a lot more convenient!

The running ham is **Charles Scharlau NZ0I,** taking part in the USA ARDF Championships in Georgia last April. The fellow in the tent is **Neal Sulmeyer K4EA,** operating six meters during the June ARRL VHF contest with the Fourlanders VHF Contest Team, along the Blue Ridge Parkway in western NC. And the background picture is Field Day, one of eight stations set up by members of the **Raleigh Amateur Radio Society.**

Editor KN4AQ planned a feature article on a Field Day tour he took this year, and a road trip through the mountains he made during the VHF contest, but it'll have to wait for the next issue. This one's jam packed! OK, something to look forward to. . .

SERA Full Repeater Membership Report

Full Membership - By State - By Year - 1995 - 2002									*1st QTR 2002 REPORT*			
SERA STATE	TTL	TTL '95	TTL '96	TTL '97	TTL '98	TTL '99	TTL '00	TTL '01	Ttl. Mbr 1st Qtr.	TOTAL Mbr. %	TOTAL RPTRS	SERA STATE
GA	195	236	217	260	232	235	241	243	244	53.6%	455	GA
KY	80	122	129	140	154	165	166	181	174	55.4%	314	KY
MS	50	75	73	60	59	62	71	71	64	37.8%	169	MS
NC	243	274	295	283	288	278	329	320	280	59.9%	467	NC
SC	68	83	81	84	79	91	97	101	99	55.6%	178	SC
TN	188	202	193	227	221	206	225	232	211	44.3%	476	TN
VA(1)	157	178	162	181	189	182	170	181	183	47.9%	382	VA
WV(2)	62	82	84	90	95	80	76	83	71	39.2%	181	WV
TTLS	1043	1252	1241	1325	1317	1299	1375	1412	1326	50.6%	2622	ALL

(1) Total Virginia list does not include 100 or more Repeaters in T-MARC Territory, (North of Highway 33 and Latitude 38-degrees North), and
(2) 10 or more Repeaters in the West Virginia Panhandle area in T-MARC Territory.

Outside of SERA
Full Mbrs: 21
Last update: 4-15-02

Western Carolina Amateur Radio Society/VEC, Inc.
WCARS / VEC

An Amateur Radio Volunteer Examiner Coordinator AND
A Special Event Station Call Sign (1X1) Coordinator

For Newly Issued Callsigns, Call (423) 689-6358
(11:00 AM to Midnight - 7 Days a Week, including Holidays)

For other information including test session coordination, VE Team Formation, etc.:

Win Guin, W2GLJ
2138 Sonning Drive
Germantown, TN 38138
901 754-4552 WinGuin@bellsouth.net

Norman Harrill N4NH
7 Skylyn Court Asheville, NC 28806
704 253-1192
NormanHarrill@worldnet.att.net

Ray Adams, W4CPA
6702 Matterhorn Ct. - Knoxville, TN 37918
(423) 687-5410 Fax: 219-9871
WCARS@korrnet.org

John Chism ND4N
139 Mustang Cir. Simpsonville, SC 29681
864 967-0001
nd4n@mindspring.com

Visit us at http://www.korrnet.org/wcars
For Test Schedules - Contact People at each Site and
Among Other things, an ONLINE REQUEST for
A SPECIAL EVENT STATION CALL SIGN

WE'RE **STILL** LOOKING FOR A FEW GOOD VE TEAMS!

Thanks For Making Our 2002 Show a Great Success
We Appreciate Greatly the Record Attendance!

Get Ready for Next Year - It Happens Again

SALISBURY (NC)
FIRECRACKER HAMFEST
July 2003 - Same Place - Same Times!
Same Great Food & Fun

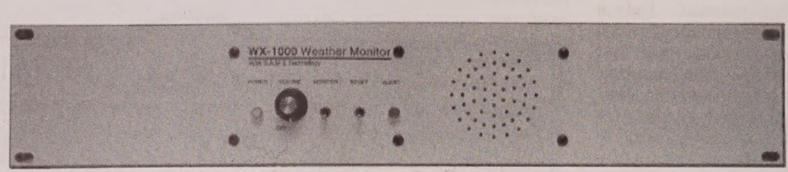
Any Advance Questions - Contact Ralph Brown (704) 636-5902
(Exact Date of our 2003 Show in Future Repeater Journals)

Computer Automation Technology Inc.
WX-1000 Digital Weather Receiver

The NOAA Weather Radio Network broadcasts National Weather Service warnings, watches, forecasts and other hazard information 24 hours a day. With so many unsettling weather conditions, don't you think its time to provide timely weather alerts for your repeater group?

Specific Area Message Decoder

A digital decoder responds to Specific Area Message Encoded (SAME) alerts transmitted by the NOAA weather station located in your area. Select your county code and the type of alert. Select warnings and or watches.



Voice Synthesizer Alert Message

Imbedded in the alert information packet is the time the warning or watch is in effect. The voice synthesizer will periodically key-up the repeater transmitter and announce the nature of the alert. "Severe Thunderstorm Watch" "Tornado Warning" "Winter Storm Warning" "Flash Flood Watch" "Hazard Material Warning" "Avalanche Watch" "Law Enforcement Warning" and "Civil Danger Watch" are just a few of the voice synthesizer announcements.

Alert Message Transmit Timing

At the conclusion of an alert, a termination packet turns the transmitter off.

Repeater Interface

The WX-1000 has been designed to easily interface to your repeater. A minimum of four connections is all that is required.

Weather Enable Input

Ground this input to provide weather reports on demand.

Weather Alert Log

The WX-1000 stores the date, time and type of alert in memory. Use the RS-232 port and the configuration program to down load the log.

Alert Start Logic Output

This output provides a TTL logic high when a weather alert is received. It can be used to set off an external alarm or trigger the controller to execute a macro or load a memory save.

Alert Stop Logic Output

Included in the digital packet is the length of the alert. The WX-1000 generates a stop logic output when the time period has expired. Use this output to reload a normal memory save.

Weather Disable Input

Ground this input to prevent future alerts once a sky warn net is activated.

Weather Data Output

The WX-1000 provides a raw data output to an alphanumeric pager or a computer based alarm system.

Ordering Information

WX-1000	*Digital Weather Receiver, With Windows Configuration Program:*	***$399.00.***

Computer Automation Technology Inc.
4631 N.W. 31st Avenue, Suite 142, Fort Lauderdale, Florida 33309
Phone: (954) 978-6171 - Fax: (561) 488-2894
Internet: http://www.catauto.com

New Date/Location for Virginia Beach Hamfest

September 28-29 - Pembroke Mall, Virginia Beach

The dates and location for the 2002 Virginia Beach Hamfest have changed - *and changed again!*

After being a two-day hamfest at the Virginia Beach Pavilion for over 20 years, rising costs and a schedule conflict with the Pavilion led organizers to advertise a one-day show on September 8 in the May *Repeater Journal.*

But that turned out to create another conflict, with the FAR hamfest in Maryland that weekend, presenting dealers and vendors with a dilemma.

So the hamfest committee bit a bigger bullet and decided to move to new quarters, and go back to being a two-day hamfest on a weekend closer to their original schedule. The 2002 date is Septermber 28/29, and the new location is the Pembroke Mall, where the closing of one of the "big-box" department stores created space.

This new location will give hamfesters an opportunity to experience good meals during show time while not paying Pavilion vendor prices, and will allow the non-hams of the family an opportunity to "shop 'til they drop" or watch the latest movies. And hamfest ticket prices drop to $5 due to the savings of the location change.

Pembroke Mall is less than 15 minutes from the ocean front (about 8 miles west of the Pavilion location), for those who care to lodge within beach distance. The end of September is still a beautiful time for late night walks in the sand.

Tidewater Radio Conventions, Inc., the consortium of radios clubs that sponsors the hamfest, hopes to turn the 'tide' that has plagued the hamfest in recent years. First, floods following a hurricane killed attendance. Then the September 11th attack on the World Trade Center and Pentagon happened just a week before the hamfest last year, keeping many hams home once again. Hopefully the new location - and a quiet fall - will bring hams back to what has long been a premier hamfest.

Details are on the website:

WWW.VAHAMFEST.COM

or e-mail hamfest@exis.net.

SERA Opposes SAVI

Alex Hedrick N8FWL, SERA Secretry

In November 2000, a company called SAVI Technologies petitioned the FCC for permission to use an RF product on 433.9 MHz, spectrum allocated to the US Military and Amateur Radio. The product, a radio "tag" that identifies containers in warehouses and during shipping, could transmit "an average field strength of 11,000 microvolts per meter measured at 3 meters, for continuous periods of two minute," as described in a ***QST*** *editorial in December 2001. That kind of signal could cause significant interference for up to a mile.*

The 433.9 frequency is right next to the 434.0 ATV carrier frequency, and between a repeater link band segment and the UHF Amateur Satellite segment. This proposal would up the ante on Part 15 devices, which are permitted to operate with short duty-cycles and very low power.

The FCC issued a notice of proposed rulemaking that included the SAVI petition. SERA, among other Amateur Radio organizations, filed comments in opposition to the proposal. The following is an excerpt of the SERA comments:

The ARS 70-cm band is the fastest growing amateur radio band in the US. In many of our states, this band is reaching full capacity. Beside the 905 repeaters that are coordinated on this band in our area of responsibility, there exists a great deal of weak signal activity, propagation research, satellite operation, and amateur television (ATV) operation. Many amateur radio operators also operate point-to-point links in this frequency range.

Of particular concern is interference to weak signal research, propagation studies and satellite communications. Amateur television and point-to-point links that facilitate repeater operation will also be seriously and adversely affected. All of these systems operate on or very near the frequency range addressed in the SAVI proposal.

For weak signal operation, propagation studies, and satellite operation, very sensitive receiving systems must be used. Recent technology has made it possible for amateur radio operators to hear very minute signals. The cumulative and transient nature of the devices proposed would result in serious degradation of these systems, and make weak signal operation and propagation studies impossible.

Amateur television operation is conducted near this portion of the 440 MHz band. Because of the wide bandwidth of standard format television, the band pass of the user's receiver covers the same frequencies addressed in this proposal when receiving amateur television signals. While commercial television stations run hundreds of thousands of watts, amateur radio operators typically use 10 to 100 watts spread over the 6 MHz band pass of a video signal. Amateur television receivers must be much more sensitive than standard television broadcast receivers and use higher and more sensitive antennas. Video is amplitude modulated further worsening the likelihood of interference. If this proposal were granted, amateur television would be degraded or rendered entirely unusable.

Point-to-point link receivers and repeater receivers are also quite sensitive permitting use of relatively low transmitter power resulting in efficient operation with less interference between systems. These systems will be affected by interference that cannot be avoided because of the transient nature of these proposed devices.

With today's sensitive receivers, amateurs are experiencing problems with even the current limitations. For example, amateur radio operators have had problems with wireless car alarms and radiation from Delco car radios, in the 70 cm band.

It should be noted that amateur radio satellite communications, amateur television and weak signal experimentation is being used in High Schools and Junior High Schools, by teachers who are licensed amateur radio operators, to develop an interest by their students in technology.

Conclusion

Little, if any, consideration has been given by the petitioner (SAVI Technologies) of the impact that this proposal will have on the licensed users of this part of the 70 cm band. The SouthEastern Repeater Association vigorously requests that the FCC dismiss RM-10051 the portion of this docket regarding RFID systems on 70 cm. This proposal is lacking in technical merit, because the result will be very harmful interference to the licensed users of this spectrum, particularly amateur radio operators.

H. Alex Hedrick, Jr. N8FWL, Secretary,
SouthEastern Repeater Association, Inc.

6th Annual - Catawba Valley Hamfest and Computer Fair

Morganton, North Carolina

Burke County Fair Grounds; Saturday - April 19th, 2003; 8AM - 4PM

Outside Flea Market Area is Free*

*** with the purchase of a gate ticket.**

Gate tickets:
$4 (early registration) and $5 (day of hamfest).

- ⇒ **35,000 Square Feet of Covered Dealer / Fleamarket space.**
- ⇒ **High visibility outside spaces available.**
- ⇒ **5+ Acres of Fenced Fleamarket Area.**
- ⇒ **Gates open to dealers on Friday for dealer setup.**
- ⇒ **Security will be on the site all night Friday.**
- ⇒ **Cookout on Friday Evening for dealers and Hamfest workers.**
- ⇒ **Hotel accommodations nearby.**
- ⇒ **Hot showers and bathrooms available to dealers.**
- ⇒ **Some camper water/sewer connections available.**
- ⇒ **Less than 5 miles from I-40 Exit 100 (Eastbound) and Exit 105 (Westbound). Three hours to Raleigh, one and a quarter hours to Charlotte, one hour to Asheville.**

Booth Information:
Most spaces are 8'x10' with one table. Extra tables are available for an extra charge of $10 per table. The main 4 buildings are enclosed from the weather. The 5th building is covered with open sides. We also have 5+ acres of fenced outside Flea Market Area.

Cost:
The cost is $10 per booth in the 5 covered buildings plus your entrance ticket and a ticket each for all of your workers.

Reservation Policy:
Booths will be reserved without cost on a first come basis and be held until March 31th, 2003 at which time the booth must be paid for. At that time any booth not paid for will be made available to other dealers.

Space (with table)

$10.00

Sign up now for the best spots.

Dealer Information
Larry Withrow (AF4HX)
(828) 652-4195
Email: af4hx@worldnet.att.net

Hamfest President and Ticket Information
Don Beam, KK4NI
Voice: (828) 652-3102
Email: dbeam@wnclink.com

Hamfest Mailing Address
Catawba Valley Hamfest
2583 Nix Creek Rd.
Marion, NC 28752

Hotel Accommodations: **(Within 5 miles of fairgrounds at I-40)**

Days Inn	(828) 433-0011	Hampton Inn	(828) 432-2000	Holiday Inn	(828) 437-0171
Red Carpet Inn	(828) 437-6980	Sleep Inn	(828) 433-9000	Super 8 Motel	(828) 430-8778

RV/Camping Accommodations:
Steele Creek Park (828) 433-5660 (13 miles from fairgrounds)
Self contained units may stay on the grounds. Limited water and sewer connections are available.

Some of our previous dealers include:

Alabama Radio, Rad-Comm, Virginia Ham Radio Supply, West Mountain Radio (RigBlaster), TC Morgan, IRI, Omar's, Rosewood, Signman of Baton Rouge, WireMan, Hamstick, Vortex Batteries, Ron Wilson (Screwdriver Ant.), Blue Dunn, Doyle Hall (Laptops), PC Wizardry, Wholesale Computers, MCM Computers, ...

Web Page: http://cvhamfest.linuxham.org

Sponsored by the Burke, Caldwell, & McDowell County Amateur Radio Clubs and the Morganton Recreation Department

THE SERA OFFICIAL REPEATER INDEX

REPEATER LISTINGS FOR: GEORGIA ■ KENTUCKY ■ MISSISSIPPI ■ NORTH CAROLINA ■ SOUTH CAROLINA ■ TENNESSEE ■ VIRGINIA ■ WEST VIRGINIA

IMPORTANT NOTICE: The SERA ***Repeater Journal*** is Copyright 2002 by the SouthEastern Repeater Association, Inc., the officially recognized Amateur Coordinating Organization for Kentucky, Georgia, Mississippi, North Carolina, South Carolina, Tennessee, Virginia and West Virginia.

The SERA ***Repeater Index*** may NOT be published or reproduced, in any form, by any individual, publication, electronic source, or any other means, for distribution without the expressed written consent of the SERA, Inc. All other rights reserved.

SERA will not be responsible for incorrect or omitted listings. The responsibility of correct listings is that of the actual repeater owner or sponsor. SERA makes every effort to keep the index as accurate as possible with information provided. The SERA ***Repeater Journal*** repeater lists contain certain repeaters which are NOT or have not been coordinated by SERA, or are not operating according to recognized frequency utilization plans. SERA does not necessarily condone, or recognize such repeaters as being legal or illegal. They are listed in our indexes primarily to keep our readers informed of all repeaters known in the areas served by The SERA.

Some repeater owners or sponsors allow voice as well as other functions on their machine. Operators should check with owners for additional information about what is allowed, and what features are available. Digital Repeaters with normal input/output (pairs) are listed in the regular FM repeater index. Digital systems operating simplex are not coordinated by SERA and are not on our repeater lists. Our index codes column contains the tone or access code for those repeaters which the owner or trustee has given us written permission and asked that we publish them . Access tones are listed for the reader's convenience both in the By-State, and the By-Frequency listings.

Entries with "#" in front of city indicates repeaters added to this index that have not been coordinated through the local SERA state coordinator. Owners may work with their coordinator to get this indicator removed. Repeater frequencies which have been coordinated but may not yet be on the air are listed with "PROP" showing in the codes column. Owners should notify SERA when on the air.

Repeater owners are reminded to contact their local Frequency coordinator (Director) for assistance in coordination, changes in their listings, or any other requirements. All SERA services are FREE. It is very important that the annual SERA repeater datasheet, sent to all known repeater operators, should be accurately updated each year and returned to SERA.

SERA RECOMMENDED FM VOICE SIMPLEX

10 Meters:	29.600#						
6 Meters:	52.490	52.525#					
2 Meters:	146.400*	146.415*	146.430*	146.445*	146.460*	146.475*	146.490*
	146.505*	146.520#	145.535	146.550	146.565	146.580	146.595
	147.405*	147.420*	147.435*	147.450*	147.465*	147.480*	147.495*
	147.510	147.525	147.540	147.555	147.570	147.585	
222 MHz	223.400	223.420	223.440	223.460	223.480	223.500#	223.520
	223.540	223.560	223.580	223.600	223.620	223.640	
440 MHz	445.825	445.875	445.900	445.925	445.950	445.975	446.000#
	446.025	446.050	446.075	446.100	446.125	445.150 (Not all listed)	

* Permitted for Voice Simplex use unless operation would cause interference to repeater inputs. Be aware that SERA coordinates some of these frequencies as repeater inputs in some areas.
# - Designated National Simplex Frequencies.

SERA RECOMMENDED DIGITAL SIMPLEX CHANNELS

2 Meters:	144.390#	144.910	144.930	144.950	144.970	144.990	145.010
	145.030	145.050	145.070	145.090	145.510	145.530	145.550
	145.570	145.590	145.610	145.630	145.650	145.670	145.690
	145.710	145.730	145.750	145.770	145.790		
222 MHz.	223.660	223.680	223.700	223.720	223.740	223.760	223.780
	Hi Speed Digital Chan. -	222.350 to 222.450 (222.400 Center) - (100 KHz wide)					
	Hi Speed Digital Chan. -	223.800 to 223.900 (223.850 Center) - (100 KHz wide)					
440 MHz	440.9125	440.9250	440.9375	440.9500	440.9675	440.9750	440.9875
	441.0000	441.0125	441.0375	441.0500	441.0625	441.0750	441.0875
	441.1000	441.1125	441.1375	441.1500	441.1625	441.1750	

NOTE: Digital operators are reminded to check with their local Digital organizations as to which channels are available for various digital usage in their particular area. Some channels are for exclusive use of LAN or BBS, etc. usage. #144.39 Generally Accepted APRS channel

SERA JOURNAL REPEATER LISTINGS BY STATE - BY CITY

Listings Correct as of July 20, 2002

PLEASE NOTE: CTCSS Tone Frequencies are listed for repeaters only if the repeater sponsors request they be listed. Tone access listing does not indicate a closed repeater.

GEORGIA

10 METERS

CONYERS	AI8H	29.680	-		
DALTON	N4BZJ	29.680	-		☺
#MACON	KF4XH	29.620	-	UNCOR	
MONROE	KQ4XL	29.620	-		
VALDOSTA	KB0Y	29.680	-	T141.3	
WARNER ROBINS	WR4MG	29.660	-		

6 METERS

ATL/MARIETTA	KD4DKW	53.090	-	T151.4	☺
ATLANTA	KA5WZY	53.150	-		☺
AUGUSTA	W4WTA	53.030	-		☺
BISKEY MT.	KC4JNN	53.050	-	T100.0	☺
BOLINGBROKE	KR4OL	53.430	-		
CARTERSVILLE	WB4AEG	53.070	-	T123.0	☺
COCHRAN	W3LAP	53.010	-	PROP	
CONYERS	WB4JEH	53.550	-	T151.4	☺
#CONYERS	WB4JEH	51.550	+	UNCOR	☺
CRAWFORD	KD4FVI	53.330	-	T88.5	
#CUMMING	WA4YNZ	51.700	-	UNCOR	☺
DALTON	N4BZJ	53.130	-		☺
DECATUR	KA4UFM	53.390	-	T	☺
HIAWASSEE	KC4CBQ	53.270	-	186.2	☺
IVEY/MACON	K4YC	53.730	-	T88.5	☺
KINGSLAND	KC5BMJ	51.940	-	T82.5	☺
LAKE PARK	KB0Y	53.890	-	T141.3	
LAWRENCEVILLE	W4GR	53.110	-	82.5	☺
LULA	WB4HJG	53.890	-	T82.5	☺
#MACON	KF4XH	53.390	-	UNCOR	
MARIETTA	N1KDO	53.210	-	T79.7	☺
MARIETTA	KF4BMG	53.250	-	T79.7	
#PINE LOG MT	KD4APP	53.450	-	UNCOR	
#PINE LOG MT.	K4PLM	53.290	-	UNCOR	☺
#ROSWELL	WA4YNZ	53.010	-	UNCOR	☺
WARNER ROBINS	WR4MG	53.790	-		
WATKINSVILLE	KD4AOZ	53.570	-	T123.0	☺

2 METERS

ADAIRSVILLE	K4NGA	146.685	-		☺
#ALBANY	W4MM	146.700	-	UNCOR	☺
ALBANY	W4MM	146.730	-		☺
ALBANY	W4MM	146.820	-		☺
ALLENHURST	KF4ZUR	147.270	+	162.2	☺
AMERICUS	W4VIR	147.270	+		
ASHBURN/TIFTON	W4PVW	147.285	+	T141.3	☺
ATHENS	KD4QHB	146.745	-		
ATHENS	KD4AOZ	146.955	-	T123.0	☺
ATHENS/CRAWFRD	K4TQU	147.375	+	127.3	☺
ATL/UNION CITY	WA4UPE	146.625	-	100.0	
ATLANTA	W4AQL	145.150	-	167.9	
ATLANTA	W4IBM	145.290	-	T88.5	☺
ATLANTA	W4DOC	145.350	-	T146.2	☺
ATLANTA	K4LCI	145.430	-		☺
#ATLANTA	WB4QGR	146.640	-	UNCOR	
ATLANTA	W4DOC	146.820	-	T146.2	☺
ATLANTA	K4CLJ	146.970	-	T	☺
ATLANTA	WA4NNO	147.000	-		
ATLANTA	WB6RTH	147.105	+	107.2	☺
ATLANTA	K4JPD	147.195	+	T	
ATLANTA	KA5WZY	147.285	+		☺
ATLANTA/AIRPORT	W4REI	147.030	+		☺
ATLANTA/BELL	W4PME	145.410	-	100.0	☺
ATLANTA/MARIETTA	N4NFP	146.655	-	T151.4	☺
ATLANTA/MARIETTA	N4NEQ	147.345	+	151.4	☺
ATLANTA/SWEAT MT	KD4NC	146.730	-		
AUGUSTA	KK4HL	145.110	-		
AUGUSTA	W4DV	145.290	-	T100.0	☺
AUGUSTA	AA4UA	145.370	-		
AUGUSTA	K4KNS	145.410	-		☺
AUGUSTA	W4DV	145.490	-		☺
AUGUSTA	KT4N	146.940	-		
AUGUSTA	K4KNS	146.985	-	100.0	☺
AUGUSTA	N4BMA	147.180	+		
BACONTON	K4TWG	145.150	-	PROP	
BAINBRIDGE	KE4RWR	147.090	+	PROP	
BALDWIN	WD4NHW	147.180	+		☺
BARNESVILLE	W8JI	147.225	+	PROP	
BGMRC/NEWMAN	K4SEX	145.130	-		☺
#BLACK ROCK MT	KE4SNT	147.390	+	UNCOR	
BLAIRSVILLE	KE4RQT	146.955	-	T100.0	
BOGART	W4EEE	147.000	+	T	☺
BONAIRE	KD4HMH	145.470	-		
BONAIRE	K4EDN	147.015	+	T82.5	☺
BOSTON	W4UCJ	147.195	+		
BRUNSWICK	K4TVE	146.730	-		
CALHOUN	K4WOC	146.745	-	T100.0	☺
CARROLLTON	W4FWD	146.640	-	T131.8	☺
CARTERSVILLE	N4GIS	147.015	-	100.0	☺
CEDARTOWN	W4CMA	147.120	+		☺
CHATSWORTH	N4YYD	145.250	-	T71.9	
CLARKESVILLE	K4HCA	147.120	+		☺
CLAXTON	W4CLA	147.075	+		
CLEVELAND	WB4HIG	146.910	-		☺
COCHRAN	N4MXC	145.110	-	T107.2	
COCHRAN	W3LAP	147.330	+	T77.0	
COLBERT	N4ALE	147.300	+		☺
COLUMBUS	W4FIZ	145.310	-		☺
COLUMBUS	W4CVY	146.610	-	T	☺
COLUMBUS	W4CVY	146.880	-		
CONYERS	WB4JEH	145.230	-	T151.4	☺
CONYERS	WB4JEH	146.610	-	T151.4	☺
CONYERS	KF4GHF	147.210	+	T162.2	☺
CORDELE	WR4SG	145.230	-	PROP	
CORDELE	KA4WUJ	145.490	-	T103.5	☺
COVINGTON	WA4ASI	146.925	-		
COVINGTON	KF4GHF	147.270	+	T162.2	☺
CUMMING	WB4GQX	147.150	+		☺
DAHLONEGA	N4KHQ	146.835	+	T100.0	☺
DALLAS	W4RPO	146.850	-		
DALLAS	WD4LUQ	146.895	+	T77.0	☺
DALTON	W4DRC	145.230	-		☺
DALTON	N4BZJ	147.135	+	T118.8	☺
DARIEN	WA4EPK	146.685	-	PROP	
DECATUR	W4BOC	145.450	-		☺
DOERUN	KG4ABK	147.225	+	PROP	
DOUGLAS	KE4ZRT	147.045	+	141.3	☺
DOUGLAS	KE4ZRT	147.165	+	PROP	☺
DOUGLAS	AD4EQ	147.315	+	T141.3	☺
DOUGLASVILLE	KR4HV	145.110	-	T88.5	☺
DOUGLASVILLE	W4SCR	147.360	+	T88.5	☺
DUBLIN	WA4HZX	147.360	+		
EASTMAN	KC4RRO	145.210	-		
EASTMAN	KF4ODQ	145.330	-	T77.0	
EATONTON	KC4YHM	147.090	+	T179.9	☺
ELBERTON	N4UJT	146.625	-		
ELLIJAY/TALONA M.	KC4ZGN	146.985	-	T77.0	☺
EMERSON	AE4JO	147.240	+	T103.5	☺
FAYETTEVILLE	WA4EPK	145.210	-	131.8	☺
FAYETTEVILLE	K4KZY	146.685	-		☺
FOLKSTON	KD4GEY	146.790	-		
FORSYTH	W4STJ	147.315	+	88.5	☺
GAINESVILLE	W4ABP	146.670	-	T131.8	☺
GRIFFIN	K4HYB	145.390	-	T88.5	
GRIFFIN	K4HYB	146.910	-		
HARTWELL	N4VNI	146.895	-	T100.0	☺
HAWKINSVILLE	WR4MG	146.895	-	T107.2	
HINESVILLE	KF4UM	147.015	+		☺
IRWINTON	WB4NFG	147.240	+	T77.0	
IVEY	K4YC	145.250	-	T	☺
IVEY/MACON	K4YC	145.150	-	77.0	☺
JASPER	KB4IZF	145.370	-	T100.0	☺
JASPER	K4UFO	146.700	-		
JASPER	KC4AQS	146.805	+	T100.0	

SERA REPEATER LISTINGS - BY STATE - BY CITY . . . continue

GEORGIA REPEATERS CONTINUE

JESUP	WA4EQL	145.190	-		☺
JESUP	WA9RNZ	145.430	-		☺
JESUP	N4ZON	146.865	-	T123.0	☺
JESUP	N4PJR	146.925	-		☺
JESUP/SCREVEN	N4PJR	147.345	+		☺
JONESBORO	WA4DIW	145.170	-		☺
JONESBORO	WA4OGE	145.330	-		
KIBBEE	K4HVK	146.820	-	T	☺
KINGSLAND	KC4WWU	147.285	+	T118.8	☺
LAFAYETTE	KB4VAK	147.375	+	T77.0	
LAGRANGE	KD4BWK	146.700	-	T141.3	☺
LAGRANGE	WB4BXO	147.330	+		
LAKE PARK	WR4SG	147.135	+	T141.3	
LAVONIA	K4NVG	146.715	-	T100.0	☺
LAWRENCEVILLE	W4GR	147.075	+	82.5	☺
#LINCOLNTON	KT4N	147.120	+	UNCOR	
LOOKOUT MT	W4GTA	145.350	-	T100.0	☺
LOOKOUT MT.	W4RRG	146.760	-	T67.0	☺
MACON	W4BKM	145.370	-		
MACON	AA4RI	145.430	-		☺
MACON	WR4DH	146.730	-	T100.0	☺
MACON	K4PDQ	146.805	-	T77.0	☺
MACON	N3SM	146.895	-	T123.0	
MACON	WA4DDI	147.060	+	T	☺
#MACON	KF4XH	147.165	+	UNCOR	
MADISON	WB4DKY	146.865	-	T179.9	☺
MADRAS	N4OME	147.165	+	T131.8	☺
MARIETTA	W4LMA	145.490	-	88.5	☺
MARIETTA	N4NEQ	146.775	-	T151.4	☺
MARIETTA/ATLANTA	W4BTI	146.880	-	T100.0	☺
MILLEDGEVILLE	WB4DOJ	146.700	-	T67.0	
MILLEDGEVILLE	K4GK	147.135	+	T123.0	☺
MORGANTON	N4NEQ	147.165	+	T151.4	☺
MOULTRIE	WD4KOW	146.790	-		☺
NASHVILLE	KB4JF	145.310	-	T141.3	
NEWNAN	K4SEX	146.790	-		☺
OCILLA	KD4MFS	145.350	-		
PEMBROKE	KF4DG	147.105	+		
PEMBROKE	W4CJB	147.390	+		
PERRY	WR4MG	145.290	-	T107.2	
PERRY	WR4MG	146.955	-	107.2	
PINE MT/HAMILTON	WB4ULJ	145.190	-		
QUITMAN	WA4NKL	146.880	-		☺
RICEBORO	KF4UM	145.470	-		☺
RINGGOLD	W4ABZ	146.715	-	T67.0	
ROME	WB4YSV	147.300	+		
ROME/MT. ALTO	W4VO	146.940	-	88.5	☺
ROSWELL	N4CLA	147.060	+		
SANDERSVILLE	KT4X	145.270	-	T77.0	☺
SAVANNAH	K4NLX	146.700	-		
SAVANNAH	K4SDJ	146.850	-		☺
SAVANNAH	W4HBB	146.880	-		
SAVANNAH	W4HBB	146.970	-		
SAVANNAH	WA4IDS	147.150	+		
SAVANNAH	K4NLX	147.210	+		
SAVANNAH	K4NLX	147.330	+		
SNELLVILLE	KR4NQ	147.255	+	T107.2	☺
SPRINGFIELD	AF4VH	146.745	-	PROP	
ST SIMONS ISLAND	N4XGI	145.330	-	T131.8	☺
STOCKBRIDGE	WA4JDR	145.310	-		☺
STONE MT	W4BOC	146.760	-	T107.2	☺
SUMMERVILLE	W4RLP	147.225	+	100.0	☺
SWAINSBORO	K4VYX	146.790	-		
SWEAT MT/MARIETT	N4CLA	145.470	-		
THOMASTON	W4OHH	147.390	+	131.8	☺
THOMASVILLE	W4UCJ	147.060	+		
THOMSON	KC4GSS	146.835	-		☺
TOCCOA	N4MTN	147.330	+	PROP	☺
UNADILLA	WR4MG	146.760	-	T107.2	
VALDOSTA	WR4SG	145.130	-	T141.3	
VALDOSTA	KF4BJM	146.760	-	141.3	
VIDALIA	K4HAO	146.625	-		☺
WALESKA/PNLG MT	K4PLM	145.270	-	T103.5	☺
WARM SPRINGS	KN4FE	146.985	-		
WARNER ROBINS	WA4ORT	146.850	-		☺
WARNER ROBINS	WB4BDP	147.180	+		☺
WARNER ROBINS	WR4MG	147.300	+	107.2	
WATKINSVILLE	KD4AOZ	147.045	+	T123.0	☺
WAYCROSS	AE4PO	146.640	-	T141.3	
WAYCROSS	AE4PO	147.255	+	T141.3	☺
WAYNESBORO	K4BR	145.230	-		
WRENS	KB4NA	146.775	-		
WRIGHTSVILLE	WA4RVB	146.940	-		☺
YOUNG HARRIS	K2YRW	147.090	+		☺

220 MHZ

ACWORTH/ATL	N4MTA	224.320	-	T123.0	
ACWORTH/ATL	N4MTA	224.500	-	T123.0	
ALPHARETTA	NX9O	224.580	-	100.0	
ALPHARETTA	KC4JNN	224.860	-	T100.0	☺
ATLANTA	N4BLR	224.280	-		
ATLANTA	W4DOC	224.340	-		☺
ATLANTA	KK4C	224.820	-	T77.0	
#ATLANTA-NE	KC4OVY	224.200	-	UNCOR	
ATLANTA/BELL	W4PME	224.620	-	100.0	☺
ATLANTA/MARIETTA	N4NFP	224.120	-	T151.4	☺
ATLANTA/MARIETTA	N4NEQ	224.440	-	T151.4	☺
ATLANTA/MARIETTA	PT2RFL	224.960	-	T100.0	☺
AUGUSTA	WB4KXO	224.940	-		
BISKEY MTN	KC4JNN	224.160	-	T100.0	☺
CEDARTOWN	KC4KLW	224.780	-	T179.9	☺
CLAYTON	W4UWH	224.720	-	PROP	
#CONYERS	WB4JEH	224.020	-	UNCOR	☺
CONYERS	WA4SSJ	224.800	-	PROP	
CUMMING	K4JSR	224.980	-		
DAHLONEGA	N4RBT	224.380	-	T100.0	☺
DALLAS	N4YDX	224.180	-		
DALLAS	N4YEA	224.540	-		☺
DALLAS	W4TIY	224.700	-		☺
DALTON	N4BZJ	224.360	-	T	☺
DALTON	N4BZJ	224.460	-	T118.8	☺
DALTON	N4BZJ	224.680	-		☺
DALTON	N4KVC	224.740	-	T	☺
FT MT/CHATSWTH	N4YYD	224.240	-	T71.9	
GAINESVILLE	W4TL	224.840	-	T131.8	☺
HAWKINSVILLE	WR4MG	224.820	-	PROP	
JASPER	KC4AQS	224.400	-	T100.0	
JASPER	W4UWH	224.600	-	100.0	
LOOKOUT MT	W4RRG	224.560	-	T	☺
LOOKOUT MT.	W4RRG	224.640	-		☺
MARIETTA	KE4QFG	224.260	-	T110.9	☺
MARIETTA	W4LMA	224.900	-		☺
NORCROSS	KE4IPX	224.480	-		☺
PINE LOG MTN	KE4AIS	224.520	-		☺
SNELLVILLE	W4CSX	224.920	-	T100.0	
STONE MT	W4BOC	224.760	-		☺
TEMPLE	WA4KM	224.300	-	T100.0	
VALDOSTA	KB0Y	224.460	-	T141.3	
WALESKA	KD4ALC	224.140	-		
WALESKA	KB4GDS	224.940	-		☺
WARNER ROBINS	WR4MG	224.840	-		
WATKINSVILLE	KD4AOZ	224.420	-	T123.0	☺
YORKVILLE	WD4LUQ	224.880	-	T77.0	☺
YOUNG HARRIS	NP2Y	224.660	-	PROP	

440 MHZ

ACWORTH	KC4YNF	441.800	+	T77.0	☺
ALBANY	W4MM	444.500	+		☺
ALPHARETTA	WB6RTH	442.000	+	107.2	☺
ATHENS	AA4AI	442.950	+	T179.9	☺
ATHENS	WW4GA	443.300	+	T	☺
#ATHENS/CRAWFORD	KC4GZX	444.300	+	UNCOR	
ATL/MARIETTA	N4NFP	442.800	+	T	☺
ATLANTA	W4CML	442.025	+	T127.3	☺
#ATLANTA	WB6RTH	442.225	+	UNCOR	☺
ATLANTA	N4XQM	442.525	+	T203.5	
ATLANTA	KE4PVE	442.675	+	T100.0	
ATLANTA	WA4YNZ	442.975	+	T	☺
ATLANTA	W4CML	443.025	+	T127.3	☺
ATLANTA	KA5WZY	443.600	+	T146.7	☺
ATLANTA	W4CML	443.650	+	PROP	☺
ATLANTA	KD4LXT	443.875	+		
ATLANTA	W4DOC	444.450	+	T146.2	☺
ATLANTA	KD4GPI	444.500	+	T110.9	☺
ATLANTA	W4DOC	444.825	+	T146.2	☺
ATLANTA	WA4NNO	444.925	+		
ATLANTA	WA4YNZ	444.975	+	T	☺
ATLANTA/BELL	W4ZTL	421.250	+		☺
ATLANTA/BELL	W4PME	444.150	+	T100.0	☺
ATLANTA/MARIETTA	PT2RFL	442.875	+	T100.0	☺
ATLANTA/MARIETTA	N4NFP	443.800	+	T151.4	☺
ATLANTA/MARIETTA	N4NEQ	444.050	+	T151.4	☺
ATLANTA/MARIETTA	N4NEQ	444.775	+	151.4	☺
AUGUSTA	KD4BOO	444.900	+		☺
BALDWIN	WD4NHW	442.350	+		☺
BARNESVILLE	N4GWO	443.675	+		
#BISKEY MTN	KC4JNN	443.250	+	UNCOR	☺
BLAIRSVILLE	KF4SKT	442.200	+		
BLUERIDGE	KD4GRU	442.125	+	146.2	
BOGART	W4EEE	443.475	+	T	☺
BONAIRE	K4EDN	444.625	+	T82.5	☺
BRUNSWICK	KD4CPO	443.425	+		
BRUNSWICK	K4TVE	444.975	+		
BUFORD	K3TD	442.900	+	T103.5	
BYRON	KF4XH	443.150	+		
BYRON	WB4SBT	444.700	+	T103.5	☺
CARROLLTON	W4FWD	444.075	+	T131.8	
CARTERSVILLE	N4GIS	443.175	+		☺
CEDARTOWN	KD4NTF	443.575	+	T107.2	☺
CHATSWORTH	W4DRC	443.000	+		☺
CHESTER	KD4IEZ	444.525	+	T156.7	
CLAYTON	W1CP	442.825	+	T162.2	☺
CLERMONT	W4TL	444.950	+	T131.8	☺
COBB COUNTY	WC4RAV	443.450	+	PROP	
COCHRAN	W3LAP	442.875	+	T77.0	
COCHRAN	N4MXC	444.775	+	PROP	
COCHRAN	W3LAP	444.975	+	77.0	
CONCORD	WB4GWA	443.400	+	118.8	
CONYERS	WB4JEH	442.550	+	T151.4	☺
CONYERS	KB2DZA	443.725	+	T77.0	
CONYERS	WB4JEH	444.550	+	T151.4	☺
CONYERS	KC4ELV	444.750	+	T162.2	☺
CORNELIA	K4JLG	444.275	+	T100.0	☺
COVINGTON	K4GO	443.750	+	T146.2	
COVINGTON	KE4PVE	444.175	+	T100.0	
COVINGTON	WA4ASI	444.800	+	T88.5	
CULLODEN	KE4BB	444.275	+	T123.0	☺
CUMMING	WB4GQX	441.900	+	T141.3	☺
CUMMING	WA4BPY	442.575	+	T79.9	☺
CUMMING	W4CBA	444.625	+	T123.0	☺
#CUMMING	WA4YNZ	444.975	+	UNCOR	☺
DACULA	KK4IN	443.550	+		
DAHLONEGA	N4KHQ	443.100	+	100	☺
DAHLONEGA	N4KHQ	444.900	+		☺
DALLAS	W4CSX	441.925	+	T162.2	
DALLAS	W4TIY	443.700	+		☺
DALLAS	WD4LUQ	444.700	+	T77.0	☺
DALTON	N4BZJ	442.175	+	T118.8	☺
DALTON	N4BZJ	444.500	+	T118.8	☺
DALTON	N4BZJ	444.850	+		☺
DANIELSVILLE	KE4FHN	442.650	+	T	
DECATUR	N3APR	442.200	+		
DECATUR	KA4UFM	443.950	+	T110.9	☺
DECATUR	W4BOC	444.250	+		☺
DOUGLAS	KE4ZRT	443.000	+	PROP	
DOUGLASVILLE	W4SCR	444.575	+	T88.5	☺
DUBLIN	KD4FOC	442.600	+	T77.0	
DUBLIN	KD4IEZ	443.025	+	T156.7	
EATONTON	KC4YHM	442.925	+		☺
ELLIJAY	KC4ZGN	442.700	+	T77.0	☺
ETOWAH VALLEY	AE4JO	443.425	+	T103.5	
FAYETTEVILLE	W4PSZ	444.600	+	T77.0	
FLOWERY BRANCH	K4VJM	442.775	+	PROP	
FLOWERY BRANCH	K4RHJ	443.900	+	T100.0	☺
FOLKSTON	KD4GEY	444.475	+		
FT. MT/CHATSWTH	N4YYD	443.350	+	T71.9	
GAINESVILLE	W4ABP	442.625	+	T131.8	☺
#GAINESVILLE	WA4DB	444.200	+	UNCOR	☺
GRAY	K4MDS	443.625	+		
GREENSBORO	N4YXL	444.850	+	PROP	
GRIFFIN	KF4QLF	441.850	+	PROP	
GRIFFIN	KE4WLP	443.550	+		☺
HAMILTON	WB4ULJ	444.400	+		
HAPEVILLE	KC4ENL	442.825	+	T167.9	
HELEN	K4PE	444.425	+	T127.3	
HIAWASSEE	KC4CBQ	444.675	+	186.2	☺
HIGH PT/LOOKT MT	KB4VAK	443.450	+	T77.0	
HINESVILLE	KF4UM	444.850	+	PROP	☺
HOGANSVILLE	KC4YNY	444.300	+	PROP	
IRWINTON	WB4NFG	444.925	+	T77.0	
IVEY	K4YC	443.200	+	T88.5	☺
IVEY	K4YC	444.650	+	T	☺
JASPER	N3DAB	442.750	+	T141.3	☺
JASPER	KC4AQS	443.375	+	T100.0	
JASPER	KB4MDE	443.425	+		
JASPER	KF4OYP	443.625	+	T100.0	
JASPER	KB4IZF	444.375	+	T103.5	☺
JESUP	N4PJR	444.925	+		☺
JONESBORO	WA4DIW	443.225	+		
KINGSLAND	KC5BMJ	444.625	+	T118.8	☺
KNOXVILLE	N4PQR	443.525	+	PROP	
LAKEMONT	N4ZRF	444.750	+	T	
LAVONIA	K4NVG	442.475	+	T203.5	☺
LAWRENCEVILLE	WB4HJG	442.850	+	T82.5	☺
LAWRENCEVILLE	WB4QDX	444.000	+	T127.3	☺
LAWRENCEVILLE	W4CML	444.025	+	PROP	☺
LOOKOUT MT	W4RRG	442.650	+	T100.0	☺
LOOKOUT MT.	W4RRG	442.475	+	T67.0	☺
LULA	WB4HJG	444.400	+	PROP	☺
MABLETON	W4JLG	442.325	+	T	☺
MACON	AF4UL	442.000	+	PROP	
MACON	K4DDH	442.275	+	T100.0	☺
MACON	W4MAZ	442.700	+	PROP	
#MACON	WX4EMA	443.075	+	UNCOR	
MADRAS	KE4HAC	442.250	+		
MARIETTA	N1KDO	442.050	+	T107.2	☺
MARIETTA	KE4QFG	442.375	+	T	☺
MARIETTA	WA4OKJ	442.600	+	T100.0	
MARIETTA	N4MTA	443.500	+		
MARIETTA	KF4BMG	444.325	+	T79.7	
MARIETTA/ATL	KE4QFG	442.725	+	T	☺
MCDONOUGH	KE4UAS	444.875	+	T123.0	☺
MONROE	KQ4XL	443.925	+	T123.0	
MOULTRIE	W1BPP	444.625	+	T123.0	
NEWNAN	K4NRC	441.875	+	T156.7	☺
NEWNAN	KE4PVE	444.350	+	PROP	
NORCROSS	K4HUM	442.100	+	T100.0	
PEACHTREE CITY	AB4KN	442.500	+	T77.0	
PEACHTREE CITY	N4YTR	444.675	+	T77.0	
PEMBROKE	AF4MI	441.800	+	PROP	
PENDERGRASS	KE4PVE	444.125	+	PROP	
PERRY	WR4MG	444.950	+		
PINE LOG MT	KD4APP	443.200	+	T103.5	
QUITMAN	WA4NKL	444.600	+	T127.3	☺
REX	KB4NPO	443.975	+	PROP	
RINGGOLD	KW4KW	442.300	+	PROP	
RINGGOLD	W4BAB	443.925	+		
ROCKMART	KC4KLW	443.275	+	T179.9	☺
ROME	KA4MLK	441.825	+	T100.0	
ROME	KC4KLW	443.525	+	T179.9	☺
ROSWELL	W8BLA	442.075	+	T	

SYMBOLS: ☺ = Full Member SERA T=Tone Accessed (plus tone freq)
# and/or UNCOR = Uncoordinated PROP = Proposed Rptr. Under Const.

SERA REPEATER LISTINGS - BY STATE - BY CITY . . . continue

GEORGIA REPEATERS CONTINUE

#ROSWELL	WA4YNZ	442.975	+	UNCOR	☺
ROSWELL/BELL	N4SE	442.150	+	T100.0	
ROSWELL/BELL	W4PME	443.150	+	100.0	
SANDY SPRINGS	KE4OKD	441.950	+	T103.5	
SAVANNAH	K4NLX	421.250	+		
SAVANNAH	WA4VHP	427.250	+	T	
SAVANNAH	K4NLX	442.700	+		
#SAVANNAH	WD4AFY	444.000	+	UNCOR	
SMYRNA	N4IBW	444.650	+		
SNELLVILLE	W4CML	442.450	+	T	
SNELLVILLE	NE1H	443.050	+	T	
SNELLVILLE	W4GR	444.525	+	82.5	☺
ST SIMONS ISLAND	N4XGI	442.950	+	T131.8	☺
STATHAM	WW4T	442.300	+	T	☺
STOCKBRIDGE	N4JMD	443.325	+	T	
STONE MTN	KD4HPD	443.825	+	T123.0	
SUGAR HILL	N4YF	443.775	+	T82.5	
SUMMERVILLE	KS4QM	444.725	+	T123.0	☺
SWEAT MT/MARIETT	N4CLA	444.475	+		
TIFTON	KE4RJI	444.875	+	T	☺
VALDOSTA	WR4SG	444.350	+	T141.3	
VALDOSTA	KF4BJM	444.700	+	T141.3	
VIDALIA	KE4PMP	442.500	+	T88.5	☺
#WALESKA	KD4DXR	441.350	+	UNCOR	
#WALESKA	K4PLM	443.850	+	UNCOR	☺
WARM SPRINGS	N4UER	442.400	+		
WARNER ROBINS	WR4MG	442.900	+		
WATKINSVILLE	KD4AOZ	444.725	+	T123.0	☺
WAYCROSS	AE4PO	444.025	+	T141.3	☺
WOODSTOCK	KE4SJO	444.225	+		

920 MHZ

ATLANTA	KG4LMT	927.500	-	PROP	
#SAVANNAH	WA4VHP	923.000	-	UNCOR	

1270 MHZ

ATLANTA/BELL	KB4KIN	1292.000	-		☺
ATLANTA/MARIETTA	N4NEQ	427.250	+		☺
DALTON ATV	N4BZJ	421.250	+		☺

KENTUCKY

10 METERS

BUCKHORN LAKE	K4XYZ	29.620	-	103.5	☺
LOUISVILLE	KK4CZ	29.640	-		

6 METERS

ASHLAND	KC4QK	53.010	-	T107.2	☺
BUCKHORN LAKE	K4XYZ	53.730	-	PROP	☺
DORTON	WR4AMS	53.350	-	PROP	☺
HAZARD	K4TDO	53.850	-		☺
HIGHLAND HEIGHTS	AD4CC	53.330	-	123.0	☺
HIGHLAND HEIGHTS	W4YWH	53.750	-	PROP	☺
LAGRANGE	WB4WSB	53.950	-	PROP	☺
LAWRENCEBURG	N4EQT	53.130	-	T107.2	☺
LEXINGTON	KE4LGL	53.570	-		
LONDON	KE4ZJT	53.910	-	T100.0	☺
LOUISVILLE	KF4UAQ	53.290	-		
LOUISVILLE	N7BBW	53.430	-	T151.4	
LOUISVILLE	WB4LBR	52.025	+		
NANCY	KA4UHL	53.270	-	T100.0	☺
NICHOLASVILLE	N4ALG	53.090	-	PROP	
#STANTON	WD4KNE	53.810	-	UNCOR	☺
WAYNESBURG	KE4RKF	53.390	-	T100.0	☺
WILLIAMSBURG	KB4PTJ	53.070	-	T100.0	☺

2 METERS

ALLEN	K4ICN	147.300	+	T123.0	☺
#ARTEMUS	KE4INT	147.390	+	UNCOR	☺
ASHLAND	K4GEC	146.940	-		
ASHLAND	KC4QK	147.240	+	T107.2	☺
ASHLAND	WA8KWH	147.330	+		
BARBOURVILLE	KF4CME	147.135	+	100.0	
BARDSTWN/NELSN	WB4GGH	145.470	-	151.4	☺
BEREA	KF4OFT	146.715	-	100.0	☺
BLACK MOUNTAIN	KB4DFK	147.210	+	T103.5	☺
BOWLING GREEN	WA4GOZ	146.625	-	PROP	
BOWLING GREEN	K4LOL	147.060	+	PROP	☺
BOWLING GREEN	W4WSM	147.165	+		☺
BOWLING GREEN	KA4CFW	147.330	+		☺
BOWLING GREEN-SO	W4WSM	146.655	-		☺
BROOKS	KY4KY	146.700	-	T151.4	☺
BUCKHORN LAKE	K4XYZ	147.375	+	T103.5	☺
CADIZ	KT4SH	147.195	+	103.5	
CANE VALLEY	WA4UXJ	146.640	-		☺
CENTER	KD4YGK	147.375	+	151.4	☺
#CENTRAL CITY	WF4N	145.390	-	UNCOR	
CORBIN	WD4KWV	146.610	-		☺
COVINGTON	WR8CRA	147.390	+		
CRESTWOOD	KF4TOL	147.390	+	T151.4	☺
DANVILLE	WD4DZC	146.655	-		☺
DAVID	KC4KZT	145.310	-	T	☺
DAWSON SPRINGS	KF4CWK	147.090	+	T103.5	
#DIXON	N4IOX	147.255	+	UNCOR	
DORTON	KC4KZT	146.895	+	T141.3	☺
DRAKESBORO	KF4DKJ	146.820	-	T	
ELIZABETHTOWN	W4BEJ	146.980	-		☺
ELKTON	KA4NNE	146.805	-	151.4	
FARMINGTON	W4GZ	147.240	+	T91.5	☺
FLEMINGSBURG	KF4BRO	146.955	-	T107.2	☺
FLORENCE	K4JBV	146.895	-	100.0	☺
FRANKFORT	N4EQT	147.105	+	T107.2	☺
FRANKFORT	KC4AI	147.240	+	T100.0	
FRANKLIN	KE4SZK	147.135	+	PROP	
GEORGETOWN	KF4NTQ	146.685	-	107.2	☺
GLASGOW	KY4X	146.940	-	114.8	☺
GRAYSON	KD4DZE	146.700	-	107.2	☺
GREENVILLE	WA4TTC	146.745	-		
GRETHEL	KJ4VF	147.045	+	T100.0	☺
HALLS GAP	W8PRH	145.170	-		☺
HARLAN	WA4ZAC	147.105	+		
HAZARD	KF4SJO	146.670	-		☺
HAZARD	W8PRH	146.805	-		☺
HENDERSON	W4KVK	145.490	-		
#HENDERSON	K4DPP	146.970	-	UNCOR	
HIGHLAND HEIGHTS	W4YWH	146.790	-	123.0	☺
HIGHLAND HTS.	K4CO	147.255	+	T123.0	☺
#HODGENVILLE	W4LJM	147.315	+	UNCOR	☺
HOPKINSVILLE	KF4FO	146.710	-		
HOPKINSVILLE	KD4ULE	147.030	+	T103.5	☺
HUEYSVILLE	KF4ZTB	145.470	-	T79.7	☺
HYDEN	KF4TLT	147.240	+	186.2	☺
IRVINE	W4CMR	146.820	-	192.8	☺
IRVINE	AD4RU	147.015	+		
IRVINGTON	WB4WVH	146.900	-		☺
JACKSON	WA4MXO	145.410	-		☺
#JONATHAN CREEK	N4SEI	146.985	-	UNCOR	
LAWRENCEBURG	N4EQT	145.390	-	T107.2	☺
LEBANON	WD4JZH	147.345	+	T151.4	
LEBANON JCT.	KD4YGK	147.150	+	PROP	
LEESBURG	KC4UPE	145.110	-	T192.8	
LEXINGTN/GRGTWN	W8PRH	145.210	-		☺
LEXINGTON	AD4YJ	145.250	-	110.9	
LEXINGTON	WB4CWF	145.490	-		
LEXINGTON	AC4AO	146.730	-		
LEXINGTON	K4KJQ	146.760	-		☺
LEXINGTON	WA4HBM	147.165	+		☺
LEXINGTON	KJ4VF	147.195	+		☺
LITCHFIELD	KY4SP	147.225	+	179.9	
LONDON	KE4ZJT	147.180	+	151.4	☺
LONDON	KC4ZFH	147.285	+	T	
LOUISA	N8QCW	147.390	+	127.3	☺
LOUISVILLE	KG4CCW	145.150	-	141.3	
LOUISVILLE	W8PRH	145.230	-		☺
LOUISVILLE	AC2DC	145.290	-	T151.4	
LOUISVILLE	KK4CZ	145.410	-	127.3	
LOUISVILLE	W4PF	146.880	-		
LOUISVILLE	W4PJZ	147.030	+	151.4	☺
LOUISVILLE	N4MRM	147.070	+	T151.4	☺
#LOUISVILLE	KA4KMT	147.120	+	UNCOR	
LOUISVILLE	W4CN	147.180	+	88.5	☺
LOUISVILLE	WB4EJK	147.270	+	151.4	
LOUISVILLE	KQ9Z	147.360	+		
LOUISVILLE AREA	N4UL	145.130	-	T151.4	☺
LYNN GROVE	KA4BLZ	146.895	-	T210.7	
MADISONVILLE	KC4FRA	146.610	-		☺
#MARION	KA4FGA	147.285	+	UNCOR	
MAYSVILLE	KF4BRO	145.470	-	T107.2	☺
MIDDLESBORO	W4PPM	146.775	-		
MILLARD	KD4RTR	146.745	-	T141.3	
MONTECELLO	WB9SHH	146.955	-	PROP	
MONTICELLO	KY4JW	145.150	-		☺
MOREHEAD	KJ4VF	145.130	-	T100.0	☺
MOREHEAD	K4GFY	146.910	-	T123.0	
#MT. STERLING	WD4KNE	147.330	+	UNCOR	☺
MURRAY	K4MSU	146.940	-		☺
NANCY	KA4UHL	146.790	-	T100.0	☺
#NEBO	AA4NI	146.730	-	UNCOR	
OWENSBORO	N4WJS	146.685	-	110.9	☺
OWENSBORO	AD4MU	146.865	-		
OWENSBORO	K4HY	147.210	+	110.9	☺
OWINGSVILLE	N4TLP	147.075	+		
PADUCAH	K4CUW	146.655	-	T	
PADUCAH	KD4DVI	146.760	-		
PADUCAH	W4NJA	147.060	+	103.5	☺
PAINTSVILLE	N4KJU	145.270	-	T	☺
PARIS	KE4OOS	147.045	+	PROP	
PHELPS	KJ4YK	147.090	+		☺
PIKEVILLE	AD4BI	145.150	-	107.2	☺
PIKEVILLE	KM4IV	146.850	-		
PRESTONSBURG	WB4UBY	147.165	+		☺
PRINCETON	W4KBL	145.230	-	103.5	
PRINCETON	W4KBL	146.670	-		
#PROVIDENCE	N4IUI	147.330	+	UNCOR	
RADCLIFF	AI4HB	145.350	-	173.8	
RADCLIFF	W4BEJ	146.925	-		☺
RICHMOND	KE4YVD	145.370	-	T192.8	☺
RICHMOND	KG4AEU	146.865	-	192.8	☺
ROCKFIELD	KG4FEJ	145.450	-	PROP	
ROCKPORT	KD4BOH	145.270	-	77.0	
SALEM	KC4VXR	147.315	+		
SALVISA	KC4ZOX	146.835	-	T192.8	☺
SALYERSVILLE	KB4SQI	145.190	-	T127.3	☺
SANDY HOOK	KF4WMM	147.135	+	T107.2	
SHELBYVILLE	KE4LR	147.000	+		☺
SO. PORTSMOUTH	KC8FKP	145.390	-	136.5	
SOMERSET	KA4UHL	146.880	-	77.0	☺
SPRINGFIELD	WA4SJH	147.300	+		
ST. CHARLES	KE4AIE	147.270	+		☺
STANTON	N4VOS	145.290	-		
STANTON	W8PRH	146.970	-		☺
STINETT	KF4TLT	147.345	+	PROP	
TOMPKINSVILLE	KJ4OG	146.775	-		
VANCEBURG	AE4SK	146.775	-		☺
VERSAILLES	KF4INN	145.330	-		
WADDY	KS4TO	146.910	-	T107.2	
WALTON	K4CO	147.375	+	123.0	☺
WEBSTER	K4ULW	146.625	-	T151.4	☺
WEST LIBERTY	KG4GQC	145.230	-	107.2	
WILLIAMSBURG	KG4M	147.000	+		
WINCHESTER	WB4ASZ	147.120	+		☺

220 MHZ

ASHLAND	KC4QK	223.940	-		☺
BUCKHORN LAKE	K4XYZ	224.460	-	PROP	☺
DORTON	WR4AMS	224.520	-		☺
GARRETT	KF4ZTB	224.260	-	PROP	
HAZARD	WR4AMS	224.820	-		☺
IRVINE	AD4RU	224.940	-		
LANCASTER	KD4RXF	224.560	-		
LAWRENCEBURG	N4EQT	224.900	-	T107.2	☺
LEXINGTON	AC4AO	224.420	-		
LEXINGTON	KR4BD	224.800	-		☺
LONDON	WR4AMS	224.980	-		☺
LOUISVILLE	KA4MKT	224.300	-		
LYNCH	K4TDO	224.320	-	PROP	
META	WR4AMS	224.380	-	PROP	
MIDDLESBORO	WM4MD	224.120	-	T82.5	☺
NANCY	KA4UHL	224.100	-	T100.0	☺
PIKEVILLE	WB4F	224.580	-		
PIKEVILLE	KD4DAR	224.620	-		☺
PRESTONSBURG	WR4AMS	224.720	-	PROP	
SHEPHERDSVILLE	N4FND	224.500	-	T151.4	☺
SOMERSET	N4AI	224.300	-		☺
SOMERSET	N4AI	224.880	-		☺
VERSAILLES	AD4CR	224.220	-		

440 MHZ

ALLEN	N4IWZ	444.775	+	T123.0	☺
#ASHLAND	KC8ERN	444.750	+	UNCOR	
ASHLAND	KC4QK	444.975	+	T107.2	☺
BARDSTOWN	KT4GB	443 000	+		☺
BEATTYVILLE	KC4UPE	444.825	+	T192.8	
BOWLING GREEN	W4HTB	426.250	+		☺
BOWLING GREEN	W4WSM	444.100	+		☺
BOWLING GREEN	N5KOL	444.700	+	T136.5	☺
BROOKS	KY4KY	443.700	+	151.4	☺
BRUSHY FORK	KF4WMM	444.600	+	88.5	
BUCKHORN LAKE	K4XYZ	443.400	+	PROP	☺
BURLINGTON	KD4EVB	443.525	+	T107.2	☺
CANE VALLEY	W4LJM	443.950	+	T	☺
CORBIN	KF4IFC	444.275	+	79.7	☺
CORBIN	WB4IVB	444.900	+	T100.0	
COX'S CREEK	AE4NU	443.450	+	T151.4	☺
DAVID	KC4KZT	443.900	+	T167.9	☺
DAWSON SPRINGS	KU4MJ	444.275	+		☺
DORTON	KD4RTR	442.150	+	167.9	
DORTON	KJ4VF	443.250	+		☺
DRY RIDGE	KC4COV	444.425	+	118.8	☺
ELIZABETHTOWN	W4BEJ	421.250	+		☺
ELIZABETHTOWN	W4BEJ	444.800	+		☺
ELKHORN CITY	KD4RTR	444.300	+	PROP	
FALMOUTH	KD4EVB	443.825	+	118.8	☺
FLORENCE	KC4COV	443.175	+	T131.8	☺
FLORENCE	KC4COV	443.475	+	T131.8	☺
FLORENCE	KC4COV	444.175	+	T131.8	☺
FORT WRIGHT	KY4JD	442.525	+	T123.0	☺
FOSTER	KU4ML	443.125	+		
FRANKFORT	K4NGQ	442.175	+	T67.0	
FRANKFORT	WA4CMO	443.325	+		
FRANKLIN	KD4TAH	443.225	+		
GARRETT	KF4JJD	442.400	+	79.7	☺
GEORGETOWN	KF4NTQ	443.625	+		
GILBERTSVILLE	W2HR	442.850	+	T103.5	
GLASGOW	KY4X	444.925	+		☺
GLASGOW/CVCTY	KF4DC	444.250	+		

PLEASE NOTE

The Repeater Journal lists subtones used on repeaters ONLY if they are requested to be listed by the sponsor or owner. The listing of a subtone on any repeater does not in any way indicate it being a "Closed" repeater. Generally in most cases, the tones are used to eliminate noise problems and are listed at the owners request for users convenience.

SERA REPEATER LISTINGS - BY STATE - BY CITY . . . continue

KENTUCKY REPEATERS CONTINUE

GRAEFENBURG	N4HZX	443.550	+		
GRETHEL	KJ4VF	444.525	+		☺
HARLAN	KD4CDX	442.625	+	PROP	
HAWESVILLE	KB4QFL	444.625	+		
HAZARD	K4TDO	443.975	+	103.5	☺
HENDERSON	KY4K	444.725	+	T203.5	
HIGHLAND HEIGHTS	W4YWH	444.900	+	123.0	☺
HOPKINSVILLE	KE4AIF	444.750	+	T103.5	
HORSECAVE	KF4QZN	444.850	+	PROP	☺
HUDSON	KY4SP	444.900	+	179.9	
INDEPENDENCE	K4JBV	442.325	+	100	☺
INDEPENDENCE	KB8SBN	444.075	+	T110.9	
IRVINE	W4CMR	442.900	+		☺
IRVINE	AD4RU	444.000	+		
LATONIA	AA4XV	442.400	+	T	
LAWRENCEBURG	N4EQT	443.925	+	T107.2	☺
LEBANON JCT	KD4YGK	441.775	+	PROP	☺
LEBANON JCT	KD4YGK	444.150	+	PROP	☺
LEWISPORT	K4DC	444.550	+		☺
#LEXINGTON	KY4ATV	923.250	-	UNCOR	☺
LEXINGTON	KD4ADJ	442.050	+		☺
LEXINGTON	KE4OOL	443.025	+	T123.0	
LEXINGTON	KB8QLC	444.125	+	88.5	☺
LEXINGTON	KC4DUU	444.550	+		☺
LEXINGTON	KE4ISR	444.725	+	T	
LEXINGTON	N4DUE	444.950	+		☺
LOUISVILLE	N4ORL	442.000	+		
LOUISVILLE	KB4RYM	442.500	+		
LOUISVILLE	WD4ELX	442.550	+		
LOUISVILLE	KB4YJ	442.725	+	151.4	
LOUISVILLE	WD9EQC	443.500	+		
LOUISVILLE	N4UL	444.100	+	173.8	☺
LOUISVILLE	KG4JNM	444.300	+	PROP	
LOUISVILLE	N4NMC	444.600	+	T151.4	
LOUISVILLE AREA	N4RBL	442.100	+	T	
LOUISVILLE AREA	KD4CLR	442.450	+	T151.4	☺
LOUISVILLE SW	K4ULW	443.350	+		☺
MADISONVILLE	KC4FIE	442.425	+		☺
MADISONVILLE	AE4LW	442.575	+	T100.0	
MADISONVILLE	KC4FIE	442.775	+		☺
MADISONVILLE	KC4FIE	444.600	+		☺
MAMMOTH CAVE	KF4QZN	444.475	+	T179.9	☺
MANCHESTER	KD4GMH	444.500	+	PROP	
MARION	KR4PF	444.200	+	T100.0	☺
MAYSVILLE	KF4BRO	443.500	+	T123.0	☺
META	WB4UBY	443.500	+		☺
MIDDLESBORO	WM4MD	442.325	+	T67.0	☺
MIDDLESBORO	KD4PBC	443.150	+	PROP	
MIDDLESBORO	WB4IVB	444.150	+	T100.0	
MILLARD	KD4RTR	443.425	+		
MONTICELLO	WB9SHH	444.750	+		
MOREHEAD	K4GFY	442.500	+	T	
MORGANTOWN	KF4QZN	444.425	+	T179.9	☺
MT STERLING	KD4ADJ	442.600	+		☺
MURRAY	K4MSU	443.800	+	T114.8	☺
NANCY	KA4UHL	443.600	+	T100.0	☺
NEBO	AA4NI	444.850	+		
NICHOLASVILLE	KC4UPE	444.775	+	T167.9	
NICHOLASVILLE	WB4CWF	444.975	+		
OLIVE HILL	KO4LI	444.925	+		
OWENSBORO	N4WJS	443.100	+	T110.9	☺
OWENSBORO	N4WJS	443.650	+	110.9	☺
PADUCAH	KD4DVI	443.000	+	179.9	
PAINTSVILLE	N4KJU	441.525	+	127.3	☺
PHELPS	N4MVY	444.575	+		☺
PIKEVILLE	KD4RTR	444.200	+		
PIKEVILLE	KD4DAR	444.375	+		☺
PIKEVILLE	AD4BI	444.475	+		☺
PRESTONSBURG	K4AVY	443.825	+	127.3	
RICHMOND	KE4ISW	444.625	+	192.8	☺
RINEYVILLE	KF4RBD	444.225	+	PROP	
ROBINSON CREEK	KC4VYX	444.675	+		☺
ROCKPORT	KD4BOH	442.675	+	77.0	
ROCKPORT	KD4BOH	444.075	+	T77.0	
RUSSELLVILLE	KD4TAH	442.350	+	PROP	
SALEM	KC4VXR	444.825	+	T100.0	
SALVISA	KF4AWA	444.675	+	T203.5	☺
SALVISA	KC4UPE	444.875	+	T167.9	
SALYERSVILLE	KE4NLL	444.050	+	T127.3	☺
SHELBYVILLE	KE4YRE	442.375	+		☺
SHEPHERDSVILLE	KD4YGK	444.400	+	T203.5	☺
SIMPSONVILLE	KO4OT	444.450	+	T100.0	☺
SPRINGFIELD	WA4SJH	444.600	+		
STANTON	N4VOS	442.075	+		
VERSAILLES	KF4INN	443.775	+		
WADDY	KS4TO	443.225	+		
WALTON	K4CO	444.350	+	123.0	☺
WEBSTER	KY4SP	441.525	+		
WILDER	KC4COV	444.400	+	T131.8	☺
WILLIAMSBURG	KB4PTJ	444.050	+	100.0	☺

920 MHZ

LEXINGTON	KA4KMG	927.725	-	PROP	

MISSISSIPPI

10 METERS

BAY SAINT LOUIS	KB5MPW	29.640	-	PROP	

6 METERS

BAY SAINT LOUIS	KB5MPW	53.650	-	PROP	
BYHALIA	N4DRL	53.270	-	T	☺
ELLISVILLE	N5EKR	53.010	-	T	
JACKSON	W5PFC	53.470	-	PROP	
LAUREL	KC5PIA	53.450	-		☺
NETTLETON	AB5MU	53.050	-	192.8	

2 METERS

ABBEVILLE	WB5VYH	145.470	-	T107.2	
ABERDEEN	WB5USN	147.270	+		
ACKERMAN	NO5N	147.120	+		
AMORY	KB5DWX	146.940	-	T192.8	☺
AMORY	KB5DSN	147.090	+		
BAY ST. LOUIS	WB4FUR	146.700	-		
BILOXI	KC5IF	146.730	-		
BILOXI	K5TYP	146.790	-		
BOONEVILLE	K5YD	145.190	-	110.9	☺
BOONEVILLE	KI5WI	147.150	+		
BUDE	K5JMD	146.850	-	T103.5	
BYHALIA	N4DRL	145.350	-		☺
BYHALIA	N4DRL	147.225	+		☺
CHATAWA	WB5GOJ	145.310	-		
COLLINS	N5LRQ	146.985	-	T136.5	
COLUMBIA	N5LJC	147.285	+	PROP	
COLUMBUS	KC5ULN	146.625	-		☺
COLUMBUS	KC5ULN	147.000	+		☺
CORINTH	WB5VOJ	146.925	-	T107.2	
CORINTH	K5UFH	147.000	-		
CORINTH	KB5TGA	147.285	+		☺
D'IBERVILLE	KC5IF	145.410	-		
ELLISVILLE	N5EKR	146.955	-	T	
ELLISVILLE	N5DWU	146.865	+	T136.5	☺
ELLISVILLE	N5DWU	146.895	+	T136.5	☺
FLORENCE	KD5AXY	145.110	-	T	
FOREST	KC5QHP	147.390	+	T100.0	☺
#FRENCH CAMP	W5BJT	147.225	+	UNCOR	
FULTON	WX5P	145.450	-		☺
GLOSTER	KX5E	145.430	-	T136.5	
GREENVILLE	KG5SF	147.345	+		☺
GREENWOOD	KA5TQY	146.715	-		
GRENADA	W5LV	146.700	-		☺
GULFPORT	KA5VFU	147.375	+		☺
HATTIESBURG	W5CJR	145.190	-	T136.5	☺
HATTIESBURG	K5IJX	145.370	-	136.5	
HATTIESBURG	K5PN	146.775	-	T136.5	☺
HATTIESBURG	W5CJR	147.360	+		☺
HERNANDO	K5VV	146.910	-		
ISOLA	KC5OB	146.955	-		
IUKA	WB5MFK	146.850	-		
JACKSON	KB5KGE	145.390	-		
JACKSON	W5AXQ	146.760	-		☺
JACKSON	K5QNE	146.880	-	T100.0	☺
JACKSON	KA5SBK	146.940	-	100.0	☺
JACKSON	W5IQ	147.000	+	T	
JACKSON	NC5Y	147.075	+	T	
KILN	K5DMC	145.330	-		
KOSCIUSKO	W5LWC	146.850	-		
LAUREL	W5LAR	146.610	-		☺
LAUREL	WV5D	147.030	-	T	
LAUREL	KC5RC	147.255	+		
LOUISVILLE	KC5QGC	147.360	+		
LUCEDALE	WA5JZL	146.910	-		
MADISON	K5XU	146.640	-		☺
MAGEE	K5HYE	146.820	-	100.0	
MAGEE	KA5LNY	147.300	+		☺
MCCOMB	K5JMD	146.940	-	T	
MENDENHALL	KB5IKR	145.210	-	T100.0	
MERIDIAN	KC5ZZH	146.655	-		☺
MERIDIAN	W5FQ	146.700	-		☺
MERIDIAN	KI5FW	146.970	-	100.0	☺
MONTICELLO	N5JHK	147.015	+		
MOOREVILLE	WB5NAY	146.640	-		
MORTON	KB5LCL	147.045	+	T141.3	
NATCHEZ	W5KHB	146.685	-		
NATCHEZ	K5OCM	146.910	-	91.5	
NATCHEZ	K5SVC	147.360	+	100.0	
#NEW ALBANY	KC5VZI	145.230	-	UNCOR	
NEW ALBANY	W5UBG	146.670	-		
#NEW ALBANY	KC5VZI	146.745	-	UNCOR	
NEW HEBRON	N5MRS	147.090	+	T	☺
OCEAN SPRINGS	W5LDD	147.030	+		☺
PASCAGOULA	KE5SJ	146.880	-		
PASCAGOULA	N5PH	146.970	-	T	
PEARL/RANKIN CO	KF5IZ	147.150	+	T88.5	
PELAHATCIE	W5PBB	147.240	+	T77.0	☺
PHILADELPHIA	N5EPP	147.330	+		
#PICAYUNE	K5LFP	145.150	-	UNCOR	
PONTOTOC	WB5NAY	147.380	+		
PORT GIBSON	KE5WO	146.625	-		
PURVIS	KB5ZCX	146.670	-		
RICHTON	N5OCF	147.060	+	T	
SENATOBIA	KB5DMT	146.985	-	T107.2	☺
SHARON	N5ZQC	145.450	-	T100.0	
SOUTHAVEN	N5PYQ	145.370	-	T107.2	
STARKVILLE	KD5GVU	146.730	-	210.7	☺
STARKVILLE	KF5C	146.805	-	192.8	
#SUMNER	WB5FXH	147.090	+	UNCOR	
TUPELO	N5VGK	145.490	-		
TUPELO	N5ELS	147.240	+		
UNION	N5SPJ	147.210	+	T100.0	
UTICA	N5ZMZ	145.350	-		☺
UTICA	KC5TGT	146.730	-	PROP	
UTICA	N5ZMZ	147.345	+		
VANCLEAVE	W5WA	145.110	-	PROP	
#VANCLEAVE	KE5TL	147.000	-	UNCOR	☺
VICKSBURG	WJ5L	145.290	-		
#VICKSBURG	K5IMT	146.805	-	UNCOR	
VICKSBURG	K5ZRO	147.270	+	T100.0	
VOSSBURG	KB5UIX	147.135	+	136.5	
WALLS	N5NBG	145.270	-	T162.2	
WATER VALLEY	N5DXM	147.000	-		
WAYNESBORO	W5SAR	147.105	+		☺
WAYNESBORO	N5DWU	147.315	+		☺
WEST POINT	KC5LIO	147.180	+		☺
WIGGINS	KB5DZJ	145.270	-	T136.5	☺
WINONA	N5EYM	146.970	-	110.9	

220 MHZ

BYHALIA	N4DRL	224.500	-		☺
VICKSBURG	WB5OWY	224.780	-		
WARSAW	N4DRL	224.880	-		☺
WAYNESBORO	W5SAR	224.140	-		☺

440 MHZ

ABERDEEN	KD5AHI	444.450	+		
AMORY	KB5DSN	444.825	+		
BYHALIA	N4DRL	444.300	+		☺
CLERMONT HARBR	WD5BJT	444.150	+	T77.0	
CLINTON	KG5YV	444.000	+	T100.0	☺
ELLISVILLE	N5DWU	442.200	+	T167.9	☺
ELLISVILLE	N5DWU	442.250	+	T167.9	☺
GAUTIER	KA5NOJ	911.250	-		☺
GAUTIER	KA5NOJ	426.250	+		☺
GAUTIER	KC5LCW	443.450	+	123.0	☺
GLOSTER	N5ZNS	443.825	+		
GREENVILLE	N5PS	444.675	+		
HATTIESBURG	K5PN	443.700	+	T136.5	☺
HAZLEHURST	N5ZDF	443.950	+	T100.0	
HEIDELBERG	KC5RC	444.300	+	T100.0	
HICKORY FLAT	W4ZCD	444.725	+	T179.9	
INDIANOLA	AB5DU	444.850	+	136.5	
JACKSON	KB5LCL	444.450	+	T141.3	
JACKSON	KB5CO	444.600	+	T100.0	☺
JACKSON	NC5Y	444.700	+		
JACKSON	KB5CO	444.800	+		
JACKSON, EAST	AA5RZ	443.625	+		
MCCOMB	N5HTQ	444.875	+	T100.0	
MERIDIAN	KB5BRZ	444.100	+	131.8	☺
MERIDIAN	W5LRG	444.500	+	107.2	☺
NATCHEZ	N5IAT	443.800	+		
NETTLETON	AB5MU	444.625	+	192.8	
NEW ALBANY	WB5YCR	444.150	+		
NEW HEBRON	N5NNI	444.525	+	T	☺
O'REILLY	N5PS	444.975	+	PROP	
PEARL	KB5HAV	444.375	+	T88.5	
PETAL	W5CJR	443.350	+	T	☺
PHILADELPHIA	WB5YGI	444.950	+		
PICAYUNE	KE5LT	443.725	+	T179.9	☺
PINOLA	KC5LXF	444.850	+		
PORT GIBSON	KC5CLM	444.575	+	T141.3	☺
RAYMOND	W5PPB	443.600	+	77.0	☺
RICHTON	N5OCF	444.625	+		
SOUTHAVEN	NU5O	443.575	+	77.0	☺
SOUTHAVEN	N5PYQ	444.925	+	T107.2	
STARKVILLE	KD5GVU	444.750	+		☺
STENNIS SPC CEN	WB4FUR	444.650	+		
TUPELO	N5VGK	444.950	+	T192.8	
VICKSBURG	WB5TTE	444.925	+		
VOSSBURG	N5LRQ	442.725	+	T167.9	
WALLS	N5NBG	444.650	+		
WAYNESBORO	W5SAR	443.500	+		☺
WAYNESBORO	W5SAR	443.550	+		☺
WEST POINT	N5WXD	443.450	+		☺
WIGGINS	KB5DZJ	443.300	+	167.9	☺

NORTH CAROLINA

10 METERS

HIGH POINT	KE4QOX	29.640	-	T103.5	☺
NEWPORT	K4GRW	29.660	-	PROP	
ROCKY MOUNT	N4JEH	29.660	-		☺
THOMASVILLE	WW4DC	29.680	-	88.5	☺
WILKESBORO	KC4XE	29.620	-		☺
ZEBULON	WB4IUY	29.620	-		

6 METERS

AIR BELLOWS GAP	WA4PXV	53.050	-		

SYMBOLS: ☺ = Full Member SERA T=Tone Accessed (plus tone freq)
# and/or UNCOR = Uncoordinated PROP = Proposed Rptr. Under Const.

SERA REPEATER LISTINGS - BY STATE - BY CITY . . . continue

N. CAROLINA REPEATERS CONTINUE

ASHEVILLE	WD4BQW	53.270	-		☺
ASHEVILLE	N4OOC	53.470	-	PROP	
BOONE	WA4NC	53.790	-	PROP	☺
CHAPEL HILL	W4UNC	53.450	-	T107.2	☺
CLINTON	W4TLP	53.330	-		☺
DURHAM	W4BAD	53.750	-		☺
EFLAND	WA1YYN	53.410	-	T107.2	☺
#FAYETTEVILLE	W4EBM	53.810	-	UNCOR	
GASTONIA/CRDR MT	N4XTF	53.110	-		☺
HENDERSONVILLE	W4FOT	53.130	-	T100.0	☺
KVILLE/HIPOINT	KF4QDS	53.590	-	T103.5	
LUMBERTON	KD4BGD	53.110	-		☺
MT MITCHELL	AB4JJ	53.630	-	T100.0	☺
MT. AIRY	N4DAJ	53.970	-	T100.0	
MT.AIRY/FANCY GP	KD4FWS	53.070	-	T100.0	
PITTSBORO	KD4JFN	53.230	-	T107.2	
RALEIGH	K4ITL	53.030	-		☺
RALEIGH	W4BAD	53.190	-	PROP	☺
#RANLO	KC4YOZ	53.390	-	UNCOR	
REELSBORO	KF4IXW	53.090	-	T162.2	☺
ROCKY MOUNT	N4JEH	53.050	-		☺
SAURATOWN MT	N4QLX	53.210	-		
SOPHIA/RANDLEMAN	WR4BEG	53.350	-		
THOMASVILLE	KE4QOX	53.010	-	T88.5	☺
THOMASVILLE	WW4DC	53.170	-	88.5	☺
THOMASVILLE	WW4DC	52.525	+	T88.5	☺
W. JEFFERSON	AB4JJ	53.330	-	T100.0	☺
WILLIAMSTON	K4SER	53.310	-		☺
WILMINGTON	AD4DN	53.430	-	T88.5	☺
YOUNGSVILLE	KD4MYE	53.370	-	T	☺

2 METERS

AHOSKIE	WB4YNF	145.130	-		
AHOSKIE	WA4ZGQ	146.910	-	T131.8	☺
ALBEMARLE	K4OGB	146.985	-	T100.0	☺
ANDRWS/ROBNSVL	K4AIH	147.045	-	T151.4	☺
ANDSN MT/DENVER	K4CCR	145.170	-	88.5	☺
ASHEBORO	KJ4AV	147.255	+		
#ASHEVILLE	WB4PLA	146.835	-	UNCOR	
ASHVL/MT PISGAH	WA4BVW	146.760	-		☺
ASHVL/SPIVEY MT	W4MOE	146.910	-	91.5	☺
BAKERSVILLE	KC4WPM	145.310	-		
BENSON	KD4BJD	146.970	-		☺
BEULAVILLE	N4VBH	145.230	-		
BOONE/RICH MTN	WA4J	147.360	+	T103.5	☺
BREVARD	K4HXZ	147.135	+		☺
BROADWAY	K4ITL	147.105	+	T82.5	☺
BURGAW	KA4PAY	146.940	-		
BURLINGTON	K4FHB	146.670	-		☺
BURNSVILLE	KD4WAR	146.955	-		
BURNSVILLE	KD4WAR	147.375	+		
BUTNER	N4NCK	145.370	-		☺
BUTNER	WA4IZG	146.940	-	T156.7	
BUXTON	K4USB	146.625	-	131.8	
CANTON	W4DJB	146.805	+		
CARTHAGE	W2SE	147.240	+		☺
CHAPEL HILL	W4UNC	145.230	-	T107.2	☺
CHAPEL HILL	K4ITL	147.135	+	T82.5	☺
CHARLOTTE	W4BFB	145.230	-		☺
CHARLOTTE	W4BFB	145.290	-		☺
CHARLOTTE	WA4AOS	145.350	-		☺
CHARLOTTE	W4BFB	146.940	-		☺
CHARLOTTE	W4CQ	147.060	-		☺
CHARLOTTE	W4CQ	147.270	+		☺
CHERRY MTN	KG4JIA	147.240	+	T94.8	☺
CHINA GROVE	N4XO	145.410	-	136.5	☺
CLAREMONT	WB4SRV	147.225	+	T162.2	
CLAYTON	WB4IUY	147.390	+	T88.5	
CLINTON	W4TLP	146.790	-		☺
COINJOCK	WN3X	145.290	-	131.8	
COLUMBIA	KB4TOH	146.835	-	T131.8	☺
#CONCORD/KANNAP.	K4CEB	146.655	-	UNCOR	☺
CRDR MT/GASTONIA	WD4PLY	145.450	-		
CROSSNORE	KD4GLB	146.700	-	167.9	
#DOBSON	AD4T	146.925	-	UNCOR	
DUNN	N4CID	146.700	-		☺
DURHAM	WR4AGC	145.450	-		
#DURHAM	K4JPE	147.590	-	UNCOR	
DURHAM	WD4LDB	147.360	+		
EDEN/STONEVILLE	WA4QBG	147.390	+		
EFLAND	WA1YYN	147.180	+	T156.7	☺
ELIZABETH CITY	WA4VTX	146.655	-	131.8	☺
ELM CITY	K2IMO	145.150	-	T88.5	
FARMVILLE	K4ROK	145.270	-	T131.8	☺
FAYVLLE/CFARS	WB4YZF	146.910	-	100	
FAYVLLE/FT BRAGG.	W4LPL	147.330	+		
#FOREST CITY	WA4BKU	146.670	-	UNCOR	
FRANKLIN	NT4K	145.490	-		
FRANKLIN	W4GHZ	147.240	+	T151.4	☺
GASTONIA/CRWDR	K4GNC	146.805	-		☺
GASTONIA/SPCR MT	N4GAS	147.120	+		
GIBSONVILLE	WB4IKY	145.490	-	T107.2	☺
GOLDSBORO	KI4RK	145.330	-	100.0	☺
GOLDSBORO	K4CYP	146.850	-	T	☺
GRAHAM	K4GWH	147.375	+	T114.8	☺
GREENSBORO	W4GSO	145.150	-	100.0	☺
GREENSBORO	W4GG	145.250	-	T88.5	☺
GREENSBORO	K4GWH	146.760	-	T88.5	☺
GREENSBORO	KG4BTN	147.030	+	T131.8	
GREENSBORO	W4BUZ	147.210	+		
GREENVILLE	WD4JPQ	145.350	-	T131.8	
GREENVILLE	KD4EAD	147.375	+	T151.4	☺
GREENVL/ESTN NC	W4GDF	147.090	+		☺
GRIFTON	W4NBR	146.685	-	88.5	☺
HATTERAS ISLAND	K4OBX	145.150	-	T131.8	☺
HAW RIVER	KD4JFN	146.715	-	T107.2	
HENDERSONVILLE	WB4YAO	146.640	-	T100.0	☺
HENDERSONVILLE	WA4KNI	147.105	+		
HENDSVL/BERWLW	WA4KNI	145.270	-		
HENDSVL/PENIC	WA4KNI	147.255	+		
HICKORY/BRT. MT	WA4DSZ	146.850	-		
HIGH PEAK MTN	K4OLC	145.210	-	94.8	☺
HIGH POINT	NC4AR	145.290	-	T88.5	☺
HIGH POINT	W4UA	147.165	+		☺
HILLSBOROUGH	WR4AGC	147.225	+		
#HOPE MILLS	W4KMU	146.835	+	UNCOR	
JACKSONVILLE	KA4SQN	145.190	-		
JACKSONVILLE	WD4FVO	147.000	-		
JEFFERSON	W4YSB	147.300	+	T103.5	☺
KANNAPOLIS	N4JEX	147.300	+	T136.5	☺
KILL DEVIL HILLS	W4PCN	145.110	-	T131.8	
KINSTON	W4OIX	145.470	-		☺
LAURINBURG	KI4RR	146.625	-		☺
LELAND	N4CTJ	145.170	-		
#LENOIR	N4NIN	147.195	+	UNCOR	
LENOIR/HIBRITN	KN4K	147.330	+	T141.3	☺
LEXINGTON	N4LEX	145.310	-	T88.5	
LEXINGTON	K4IZM	146.910	-	T107.2	☺
LINCOLNTON	NC4LC	147.015	+	141.3	☺
LOCUST	WA4CHZ	147.390	+	T100.0	☺
#LUMBERTON	W4NHV	145.150	-	UNCOR	☺
LUMBERTON	W4NHV	147.045	+		☺
LUMBERTON	KD4PBK	147.165	+	T88.5	☺
LUMBERTON	W4PET	147.360	+		☺
MACO	KB4BR	147.060	+	T	☺
MADISON	WA4IXW	147.345	+	T103.5	☺
MARION	WD4PVE	146.985	-	118.8	
MILLERS CREEK	N4GGN	146.715	-		☺
MONROE/UCARS	N4ZVN	145.390	-	T94.8	☺
MORGANTON	KC4QPR	146.745	-	94.8	☺
MORGANTON	K4VLY	147.150	+		
MOUNT AIRY	N4VRD	145.330	-	T100.0	
MOUNT AIRY	N4XRY	146.970	-		
MT MITCHELL	WA4BVW	145.190	-		☺
MT. AIRY	N4VL	145.130	-	T103.5	☺
MURPHY/STALCUP	KB4YSX	146.865	+	T151.4	☺
N. WILKESBORO	W4HF	145.370	-		☺
NASHVILLE	WA4WPD	145.290	-	T107.2	
NEW BERN	W4EWN	146.610	-	T100.0	☺
NEWPORT	K4GRW	145.450	-		
NEWTON	K4CCR	147.075	+	T88.5	☺
ORIENTAL	W4SLH	147.210	+	T151.4	☺
OXFORD	N4NCK	145.170	-		☺
PITTSBORO	KD4JFN	147.075	+	T146.2	
RAEFORD	KU4W	145.430	-	100.0	☺
RALEIGH	W4RNC	145.130	-	T88.5	☺
RALEIGH	K4GWH	145.190	-	T156.7	☺
RALEIGH	WB4TQD	145.390	-	T82.5	☺
RALEIGH	W4BWC	145.490	-	T82.5	☺
RALEIGH	WB4TOP	146.610	-	T131.8	☺
RALEIGH	W4DW	146.640	-		☺
RALEIGH	W4BWC	146.730	-	T82.5	☺
RALEIGH	NC4SU	146.775	-	T88.5	☺
RALEIGH	WB4TQD	146.880	-		☺
RALEIGH	KD4MYE	147.015	+		☺
RALEIGH	KO4CW	147.195	+	T88.5	
RALEIGH/BENSON	AK4H	147.270	+		☺
RED SPRINGS	W4MZP	147.300	+		☺
REIDSVILLE	N4IV	146.850	-	T103.5	☺
#ROANOKE RAPIDS	N4WFU	145.310	-	UNCOR	
ROANOKE RAPIDS	KB4DJT	147.030	+		☺
ROANOKE RAPIDS	K4ITL	147.150	+	PROP	☺
ROBBINSVILLE	N4GSM	145.110	-	T151.4	
ROCKINGHAM	K4RNC	146.955	-		☺
ROCKY MOUNT	W4DCG	146.805	-	T118.8	☺
ROCKY MOUNT	WN4Z	147.120	+	131.8	☺
ROLESVILLE	KF4HFQ	147.315	+	T88.5	
ROSEBORO	K4ITL	145.310	-		☺
SALISBURY	W4EXU	146.730	-	T94.8	☺
SAURATOWN MT	W4NC	145.470	-	T100	☺
SAURATOWN MT	KG4ASL	146.790	-	T107.2	☺
SAURATOWN MT	K4MPJ	147.315	+	T100.0	☺
SHALLOTTE	K4PPD	145.370	-		☺
SHALLOTTE	K4PPD	147.315	+		☺
SHALLOTTE	K4PPD	147.390	+		☺
SHELBY	W4NYR	146.880	-		
SHELBY	W4NYR	147.345	+		
SOUTHPORT	W4ZU	146.775	-	100.0	☺
SPARTA/GREEN MT	K4QFQ	145.430	-		☺
STAR/BISCOE	KI4DH	147.090	+	100.0	☺
STATESVILLE	KE4WSX	146.685	-		☺
#STATESVILLE	KC4MJC	147.045	+	UNCOR	☺
SWANSBORO	KB2XI	146.760	-		☺
SYLVA	KF4DTL	147.345	+	151.4	
THOMASVILLE	KF4QDS	146.610	-	PROP	
THOMASVILLE	KB4BPV	146.835	+	T88.5	
THOMASVILLE	WW4DC	147.000	+	T88.5	☺
TRENTON	WB4TQD	145.210	-		☺
TRYON	KF4JVI	145.330	-		☺
WADESBORO	W4USH	146.835	-		
WANCHESE	W4ACY	146.940	-	T131.8	
WASHINGTON	WA4TEP	147.345	+		☺
WAXHAW	WA4ZRS	146.865	+	T94.8	☺
WAYNESVILLE	N4SM	147.270	+		☺
WAYNESVILLE	N4DTR	147.390	+		
WHITEVILLE	W4NTQ	147.210	+		☺
WILKESBORO	WB4PZA	146.820	-		☺
WILLIAMSTON	K4SER	145.410	-	T131.8	☺
WILMINGTON	AD4DN	146.670	-	T88.5	☺
WILMINGTON	W4VNK	146.730	-		☺
WILMINGTON	K4GMP	146.820	-	T88.5	☺
WILMINGTON	WA4US	147.135	+	T67.0	☺
WILMINGTON	AC4RC	147.180	+	T88.5	☺
WILSON	WB4THL	146.760	-	131.8	
WILSON	WB4IUY	147.300	+	T88.5	
WINSTON-SALEM	W4NC	146.640	-	T100.0	☺
YADKINVILLE	N4YSB	147.015	-		☺
YOUNGSVILLE	KD4MYE	145.110	-	88.5	☺

220 MHZ

ANDRWS/ROBINSVL	K4AIH	224.880	-	T	☺
ASHEVILLE	KD4CJG	224.520	-	PROP	
ASHEVILLE	WB4PLA	224.600	-		
ASHVL/MT PISGAH	WA4BVW	224.260	-		☺
BANNER ELK	WA4NC	224.840	-	PROP	☺
BARIUM SPRINGS	WA4WRS	224.300	-		☺
BIG KNB/MARS HIL	KE4RQL	224.660	-	100.0	
BURNSVILLE	KD4WAR	224.740	-		
CANTON	N4DWU	224.820	-		☺
CHAPEL HILL	K4ITL	224.120	-	PROP	☺
CHARLOTTE	W4BFB	224.400	-		☺
CHERRY MTN	KG4JIA	224.640	-	PROP	
CHERRYVILLE	KC4ZTJ	224.960	-		
CLEMMONS	WB9SZL	224.700	-	T100.0	☺
DUNCAN	KM4TC	224.700	-	T88.5	
EDEN	N4IV	224.780	-	T103.5	☺
EFLAND	WA1YYN	224.660	-	T107.2	☺
FAYETTEVILLE	WB4YZF	224.560	-		
GASTONIA	KC4IRA	224.620	-	T127.3	☺
GOLDSBORO	W3PS	224.960	-	T156.7	☺
GREENSBORO	WB4GUG	224.440	-	T107.2	☺
GREENSBORO	N4QVI	224.960	-		☺
GRIFTON	WA4DAN	224.840	-		☺
#GRIMESLAND	WB4PAC	224.360	-	UNCOR	
HAW RIVER	KD4JFN	224.620	-	T107.2	
HENDERSONVILLE	N4UQS	224.960	-		
HENDSVL/BERWLW	WA4KNI	224.240	-		
HILLSBOROUGH	WR4AGC	224.260	-		
JACKSONVILLE	KA4SQN	224.320	-		
KERNERSVILLE	KD4LHP	224.820	-	T107.2	
KVILLE/HIPOINT	KE4QOX	224.240	-	T107.2	☺
LENOIR/HIBRITN	KN4K	224.160	-		☺
LEXINGTON	KR4HJ	224.520	-	PROP	
LOCUST	KC4FWC	224.480	-		☺
MARSHALL	WA4TG	224.360	-	T	
MT MITCHELL	WA4BVW	224.540	-		☺
OXFORD	N4NCK	224.740	-		☺
PLYMOUTH	KB7BTU	224.760	-	T131.8	
RALEIGH	K4ITL	224.160	-		☺
RALEIGH	W4RNC	224.640	-		☺
ROCKY MOUNT	NF4C	224.220	-		☺
ROCKY MOUNT	KR4AA	224.580	-		☺
SALISBURY	W4EXU	224.760	-		☺
SHELBY	W4NYR	224.060	-		
SHELBY	KC4ZTJ	224.460	-		
SOPHIS/RANDLEMAN	WR4BEG	224.140	-	T	
THOMASVILLE	WW4DC	224.340	-	T88.5	☺
#THOMASVILLE	KC4KUL	224.600	-	UNCOR	
TRENTON	WA4DAN	224.720	-		☺
#WALKERTOWN	WA4RQF	224.580	-	UNCOR	☺
WALKERTOWN	WA4RQF	224.640	-		☺
WILMINGTON	WA4US	224.200	-	T	☺
WILMINGTON	AD4DN	224.500	-	T88.5	☺
WILMINGTON	WB4KPF	224.680	-		
ZEBULON	KD4WJD	224.800	-	T88.5	

440 MHZ

AHOSKIE	WB4YNF	444.200	+	T	
AIR BELLOWS GAP	WA4PXV	443.575	+		
ANDRWS/ROBINSVL	WD4NWV	442.600	+	T151.4	☺
ANDRWS/ROBINSVL	K4AIH	443.650	+	T	☺
ANDSN MT/DENVER	K4CCR	444.075	+	88.5	☺
APEX	KD4PBS	442.075	+	T114.8	
ARCHDALE	KC4KUL	443.300	+		
ASHEBORO	WD4ICX	442.325	+		
ASHEBORO	KE4QAP	444.975	+		☺
ASHEVILLE	WA4TOG	442.550	+		☺
ASHEVILLE	KD4GEU	442.650	+		
ASHEVILLE	KF4TLA	443.275	+	T103.5	☺
AUBURN	N4ZCM	442.275	+		
BLADENBORO	KC4FWC	444.725	+	77.0	☺
#BOONE/RICH MT	KC4FWC	444.575	+	UNCOR	☺
BREVARD	AG4AZ	442.850	+		☺
BRYSON CITY	N0SU	443.400	+	T151.4	☺

SERA REPEATER LISTINGS - BY STATE - BY CITY . . . continue

N. CAROLINA REPEATERS CONTINUE

BURNSVILLE	KD4WAR	443.650	+		
CANTON	KE4UIU	443.475	+	T156.7	
CARY	K4JDR	444.775	+	T100.0	☺
CASTALIA	N4JEH	444.975	+	T107.2	☺
CHAPEL HILL	W4UNC	442.150	+	T131.8	☺
CHAPEL HILL	W4UNC	443.475	+	T131.8	☺
CHARLOTTE	W4PPN	421.250	+		
CHARLOTTE	KD4OWV	443.950	+		
CHARLOTTE	W4CQ	444.450	+		☺
CHARLOTTE	W4BFB	444.600	+	T100.0	☺
CHARLOTTE	W4WBT	444.675	+		☺
CHARLOTTE	W4CQ	444.850	+		☺
CHERRY MTN	KG4JIA	442.500	+	94.8	☺
CHINA GROVE	N4JEX	443.250	+	T136.5	☺
CLAREMONT	WB4SRV	443.775	+	T118.8	
CLAYTON	K4JDR	444.150	+	T100.0	☺
COLUMBIA	KB4TOH	443.300	+	131.8	☺
COLUMBUS	K4JLA	442.075	+	T103.5	☺
CRAB CREEK TWP	KB4PQA	443.125	+		☺
CROWDER'S MT	KD4FRP	443.675	+		
DALLAS CHLT	KC4YOZ	443.850	+	T100.0	
DALLAS/CHLT	WA1WXL	444.950	+	T136.5	☺
DURHAM	WR4AGC	444.100	+		
DURHAM	KB4WGA	444.925	+	T156.7	☺
DURHAM TV HILL	KJ4SO	421.250	+		
EFLAND	WA1YYN	442.050	+	T107.2	☺
ELIZABETH CITY	WA4VTX	444.300	+	131.8	☺
FAYETTEVILLE	WB4YZF	444.400	+	100HZ	
FOREST CITY	KC4IEV	443.300	+	T123.0	☺
FRANKLIN	N4DTR	444.375	+	T131.8	
GASTONIA	KG4LWG	442.775	+	PROP	
GASTONIA/CRWDR	KC4ZTI	443.750	+		
GASTONIA/CRWDR	AG4EI	444.150	+	T	☺
GASTONIA/CRWDR	KC4YOT	444.750	+		☺
GASTONIA/SPCR MT	N4GAS	444.550	+		
GIBSONVILLE	WB4IKY	443.025	+	T107.2	☺
GIBSONVILLE	WB4IKY	444.350	+	T107.2	☺
GOLDSBORO	W3PS	443.050	+	T156.7	☺
GRAHAM	K4GWH	443.725	+	T156.7	☺
GRANTSBORO	KR4LO	444.350	+		☺
GREENSBORO	KO4AT	421.250	+		☺
GREENSBORO	KG4BTN	441.975	+	PROP	
GREENSBORO	W4GSO	442.875	+	T88.5	☺
GREENSBORO	KG4BTN	443.650	+	88.5	
GREENSBORO	K4GWH	444.225	+	T146.2	☺
GREENSBORO	KG4BTN	444.475	+	107.2	
GREENVILLE	WB4PMQ	444.800	+	T131.8	☺
HATTERAS ISLAND	K4OBX	444.925	+	T131.8	☺
HAW RIVER	KD4JFN	443.775	+	T107.2	
HENDERSON	KG4IWI	442.125	+	T88.5	☺
HENDERSON	KB4WGA	444.375	+	PROP	☺
HENDERSONVILLE	WA4TOG	442.450	+		☺
HENDSVL/BERWLW	WA4KNI	444.250	+		
HICKORY	WA4PXV	442.375	+		
HICKORY	K4JEQ	444.000	+		
HICKORY	KF4LUC	444.800	+	T94.8	☺
HIGH POINT	W4UA	443.900	+		☺
HIGH POINT	KD4JFN	444.025	+	T107.2	
HILLSBOROUGH	WA1YYN	443.950	+	PROP	☺
HILLSBOROUGH	WR4AGC	444.450	+	T100.0	
#JACKSONVILLE	KE4JDP	444.675	+	UNCOR	
KANNAPOLIS	N4JEX	443.350	+	T136.5	☺
KERNERSVILLE	KF4DAR	442.975	+	T107.2	
KERNERSVILLE	KF4IXK	443.325	+	T131.8	
#KING/SAURATOWN	KE4QEA	444.200	+	UNCOR	☺
KINSTON	N4HAJ	444.575	+	T88.5	
KVILLE/H POINT	KE4QOX	443.700	+	T103.5	☺
LAKE GASTON	KF5TU	442.350	+	T100.HZ	
LENOIR/CAJAH MT	N4EUX	443.525	+		
LEXINGTON	KO0NTZ	442.275	+	T146.2	☺
LEXINGTON	K4AE	442.425	+	T107.2	☺
LEXINGTON	K4CH	442.925	+	T107.2	☺
LEXINGTON	WD4ICX	444.500	+		
LILLINGTON	W4FBC	444.175	+	PROP	
LINCOLNTON	WA4YGD	442.350	+		☺
LINVILLE	KC4UBR	442.175	+	T136.5	
LOCUST	WA4LBT	443.700	+		☺
LOUISBURG	N4EWS	444.250	+	88.5	
LUMBERTON	WB4DVN	444.625	+		
LUMBERTON	KD4BGD	444.700	+	T114.8	
MAYODAN	WA4WGY	443.975	+		☺
MCLEANSVILLE	WB4GUG	444.125	+	T	☺
MIDDLESEX	NE4J	444.650	+	T179.9	
MONROE	N4ZVN	444.425	+	T94.8	☺
MORG/WALKER TOP	KC4QPR	442.300	+	94.8	☺
MORGANTON	KC4QZL	443.800	+	T	☺
MOUNT AIRY	N4XRY	444.925	+		
MT AIRY/FSH PK	KF4UY	444.825	+	T100.0	
MT MITCHELL	N4DWU	443.600	+		☺
NEW BERN	W4EWN	444.900	+	T100.0	☺
NEWPORT CCARS	W4YMI	444.975	+		☺
NEWTON	KE4KIV	442.625	+		
OLD FORT	KR4EX	444.775	+		
OXFORD	KC4WXA	444.600	+		
PIKEVILLE	KI4RK	443.000	+	PROP	☺
PINEY KNOB	KC4KPW	443.875	+	T103.5	
PITTSBORO	K1BUD	442.550	+	T	☺
PITTSBORO	KD4JFN	444.750	+	T146.2	
POLKVILLE	KC4ZTJ	444.975	+		
RALEIGH	K4OO	442.025	+	PROP	☺
RALEIGH	N4LMR	442.450	+		
RALEIGH	W4MLU	442.575	+	T156.7	☺
RALEIGH	NC4SU	442.675	+	100.0	☺
RALEIGH	WA4NNA	443.125	+		☺
RALEIGH	N4ZCM	443.225	+	T	
RALEIGH	W1IFL	443.375	+	T	
RALEIGH	W4RNC	444.525	+	T88.5	☺
RALEIGH	K4GWH	444.825	+	T146.2	☺
RALEIGH	KD4RAA	444.875	+	T100.0	☺
REIDSVILLE	K4YEC	444.800	+	T107.2	☺
RES. TRIANGLE PK	WA1YYN	443.425	+	T156.7	☺
RES. TRIANGLE PK	W4EUS	443.625	+		
ROANOKE RAPIDS	KA4BQM	444.550	+	T192.8	
#ROCKINGHAM	KC4FWC	443.825	+	UNCOR	☺
ROCKY MOUNT	N4JEH	443.700	+	T107.2	☺
ROCKY MOUNT	N4JEH	444.700	+		☺
ROCKY MOUNT	KG4IWI	444.725	+	PROP	☺
ROLESVILLE	KF4HFQ	444.950	+	T88.5	
ROUGEMNT/RED MT	WA4WTX	443.275	+	100.0	
ROXBORO	KE4GYN	442.175	+	T156.7	☺
SALISBURY	W4HG	443.150	+	T136.5	
SALISBURY	KJ4HF	444.650	+	T88.5	☺
SAURATOWN MT	WA1YYN	442.825	+	PROP	☺
SAURATOWN MT	KE4QOX	443.100	+	T88.5	☺
SAURATOWN MT	WB4GUG	443.400	+	T107.2	☺
SELMA	KI4RK	444.000	+		☺
#SHELBY	W4NYR	427.250	+	UNCOR	
SOPHIA/RANDLEMAN	WR4BEG	443.075	+		
SOUTHERN PINES	KD4QMS	444.800	+	T118.8	
SPIVEY'S CORNER	KD4DMS	442.875	+		
#STANFIELD	KC4FWC	443.200	+	UNCOR	☺
STATESVILLE	N4VOZ	443.450	+		
STATESVILLE	AE4GA	444.700	+	PROP	
TARBORO	N4JEH	444.500	+	T100.0	☺
TAYLORSVILLE	W4ERT	441.625	+	T123.0	
TAYLORSVILLE	W4ERT	441.725	+	PROP	
TAYLORSVILLE	W4ERT	442.950	+	T151.4	
THOMASVILLE	WW4DC	442.900	+	T88.5	☺
VALDESE	WA4PXV	442.600	+		
#WALKERTOWN	WA4RQF	444.775	+	UNCOR	☺
WAXHAW	WA4ZRS	444.525	+	T94.8	☺
WAYNESVILLE	N4DTR	444.450	+		
WENTWORTH	N4IV	442.100	+	PROP	☺
WEST JEFFERSON	AB4JJ	443.500	+	T107.2	☺
WHITAKER MTN	WA4QFV	444.325	+		
WILKESBORO	KE4DGP	442.475	+	T107.2	
WILKESBORO	KC4XE	443.550	+		☺
WILLIAMSTON	K4SER	444.250	+	T131.8	☺
WILMINGTON	N4JDW	442.075	+	T88.5	
WILMINGTON	WA4US	442.175	+		☺
WILMINGTON	WA4US	442.200	+	T	☺
WILMINGTON	K4YNY	442.500	+	T88.5	☺
WILMINGTON	AD4DN	443.400	+	T88.5	☺
WILMINGTON	WA4US	443.850	+		☺
WILMINGTON	WA4US	443.950	+		☺
WILMINGTON	WA4US	444.200	+		☺
WILMINGTON	WA4US	444.450	+		☺
WILMINGTON	WA4US	444.650	+		☺
WILMINGTON	K4GMP	444.850	+	T88.5	☺
WILSON	W4EJ	444.900	+	T179.9	☺
WINGATE	WB4U	444.875	+	T127.3	☺
WINSTON-SALEM	W4NC	444.275	+		☺
WINSTON-SALEM	KD4MMP	444.725	+	T107.2	☺
YADKINVILLE	KD4KMK	442.025	+	T100.0	
YADKINVILLE	N4AAD	442.800	+	T100.0	☺
YOUNGSVILLE	KD2LH	443.200	+	T88.5	☺
ZEBULON	KD4WJD	442.400	+		
ZEBULON	N1GMV	444.425	+	PROP	☺
ZEBULON	N1GMV	444.475	+	T88.5	☺

920 MHZ

RALEIGH	W4FAL	927.662	-	T156.7	☺
WAYNESVILLE	N4DTR	927.662	-	PROP	

1270 MHZ

#CHARLOTTE	W4PPN	1253.250	+	UNCOR	
GASTONIA/CRWDR	AG4EI	1292.820	-		☺
WILMINGTON	AD4DN	1291.410	-	88.5	☺

SOUTH CAROLINA

10 METERS

SUMTER	W4GL	29.660	-		☺

6 METERS

BISHOPVILLE	K4NOC	53.090	-		
CHESTER	KF4SXO	53.290	-		
COLUMBIA	N5CWH	53.270	-	T162.2	☺
GVL/CSR'S HEAD	KO4MZ	53.410	-	T131.8	☺
LITTLE MOUNTAIN	KN4AS	53.190	-	T156.7	
MOUNTAIN REST	KF4IWA	53.590	-		
ORANGEBURG	AD4U	53.210	-		☺
SUMTER	W4GL	53.770	-		☺
WALTERBORO	KG4BZN	53.310	-	PROP	

2 METERS

AIKEN	KY4S	145.170	-		☺
AIKEN	N4ADM	147.285	+		☺
ANDERSON	N4AW	146.970	-		☺
ANDERSON/SAS MT	N4AW	146.790	-		☺
AWENDAW	K4LWS	147.300	+	T103.5	
BAMBERG	WA4DFP	145.330	-		☺
BARNWELL	KF4CVO	147.030	+	T156.7	☺
BEAUFORT	W4IAR	145.310	-		☺
BEAUFORT	KD4KOJ	146.655	-		☺
BISHOPVILLE	K4NOC	145.170	-	T123.0	
BISHOPVILLE	W4APE	146.925	-		☺
CAMDEN	KT4NZ	146.820	-	PROP	
CHARLESTON	WA4USN	145.250	-	123.0	☺
CHARLESTON	WA4USN	146.790	-		☺
CHARLESTON	KT4YW	146.835	-		
CHARLESTON	N7GZT	146.940	-	T	☺
CHARLESTON	KF4CDR	147.345	+	T	☺
CHARLESTON AR	WA4USN	145.410	-	PROP	☺
CHARLESTON AREA	W4ANK	147.270	+		☺
CHERAW	W4APE	145.490	-		☺
CHESTER	W4CHR	145.310	-		☺
CHESTER	KF4SXO	146.625	-		
CHESTERFIELD	KF4GPE	147.135	+		☺
CLEMSON UNIV	WD4EOG	145.450	-	T	
COLUMBIA	N5CWH	145.270	-	T127.3	☺
COLUMBIA	WB4NEP	146.715	-		
COLUMBIA	KF4GHC	147.330	+	156.7	
COLUMBIA	N4EOY	147.360	+		
DILLON/PEE DEE	NN4N	146.745	-		
EASTOVER	KT4BU	147.075	+	T156.7	
ELLOREE	KC4WIF	146.610	-	T118.8	
FLORENCE	W4ULH	146.850	-		☺
FLORENCE	W4GEY	146.970	-		
FLORENCE	W4APE	147.195	+		☺
FORT JACKSON	KF4GHC	146.775	-	T156.7	☺
FORT MILL	WZ4SC	145.110	-		☺
FORT MILL	W4DXA	147.180	+		☺
GAFFNEY	KN4RG	145.470	-	T141.3	☺
GEORGETOWN	KI4CB	147.375	+		☺
GILBERT	N5CWH	146.655	-	PROP	
GREELEYVILLE	KG4AQH	145.230	-		☺
GREENVILLE	W4IQQ	146.940	-		☺
GREENWOOD	W4JAK	145.130	-	123.0	☺
GREENWOOD	W4GWD	147.165	+	107.2	☺
#GREENWOOD	K4LEO	147.375	+	UNCOR	
GRNVLE/CSRS HD	W4NYK	146.610	-		☺
GRNVLE/PARIS MT	W4NYK	146.820	-		☺
HILTON HEAD	W4IAR	147.240	+	T	☺
LANCASTER	W4PAX	146.700	-		☺
LANCASTER	AC4VT	147.240	+	T88.5	
LAURENS	KD4HLH	146.865	-	T107.2	☺
LEESVILLE	W4RRC	147.255	+	T123.0	☺
LEXINGTON	KA4FEC	147.390	+		☺
LITTLE MT.	K4AVU	147.210	+		
MARION	KD4HTW	147.000	-		☺
MONCKS CORNER	WD4NUN	147.150	+	T	☺
MOUNTAIN REST	KU4OL	147.030	-		
MT PLEASANT	K4ESG	146.760	-	T	
MT. PLEASANT	N7GZT	145.450	-	T	
MYB BCH/BRKSVIL	N4LV	147.285	+		
MYR BCH/CONWAY	W4GS	145.110	-		☺
MYR BCH/CONWAY	KI4CB	145.470	-		☺
MYRTLE BEACH	W4GS	145.290	-	85.4	☺
MYRTLE BEACH	W4GS	147.120	+		☺
N. AUGUSTA	K4NAB	146.730	-	T	☺
#N. MYRTLE BEACH	K4NMB	147.030	+	UNCOR	
ORANGEBURG	KF4ATU	146.805	-	T156.7	☺
ORANGEBURG	N7GZT	146.880	-	T	
ORANGEBURG	KF4ATU	147.090	+	T156.7	☺
PAGELAND	W4APE	146.895	-		☺
PALMETTO	KB4RRC	147.345	+	PROP	
PICKENS	WT4F	146.700	-	107.2	☺
PICKENS	WB4YXZ	147.000	-		
PUMPKINTOWN	KU4ZS	145.290	-	PROP	
ROCK HILL	K4YTZ	147.030	-		
SAVANNAH RIVER	W4ZKM	145.450	-	PROP	☺
SENECA/LONG MT	WA4JRJ	147.270	+		
SIMPSONVILLE	WA4UKX	146.730	-	100.0	☺
SMOAKS	KG4LAP	145.210	-	PROP	
SPARTANBURG	K4JLA	147.090	+		☺
SPARTANBURG	K4JLA	147.315	+		☺
ST. GEORGE	K4ILT	147.045	+	123.7	
ST. GEORGE	W4DTW	147.225	+		☺
ST. MATTHEWS	AD4U	146.670	-	T156.7	☺
SUMMERTON	N4LWY	145.150	-		
SUMMERVILLE	W4HNK	147.180	+	123.0	☺
SUMTER	K4JR	145.130	-		
SUMTER	K4JR	145.430	-	PROP	
SUMTER	W4GL	146.640	-		☺
SUMTER	W4GL	147.015	+	156.7	☺
SUMTER/SHAW	W4VFR	147.060	+		
UNION	K4USC	145.150	-	T	☺
UNION	K4USC	145.250	-		☺
UNION	K4USC	146.685	-		☺

SYMBOLS: ☺ = Full Member SERA T=Tone Accessed (plus tone freq)
# and/or UNCOR = Uncoordinated PROP = Proposed Rptr. Under Const.

S. CAROLINA REPEATERS CONTINUE

WALTERBORO	KG4BZN	147.135	+		☺
WHITE HALL	WA4SJS	146.910	-		☺
#WHITE OAK MTN	W4RCW	147.285	+	UNCOR	☺

220 MHZ

BISHOPVILLE	K4NOC	224.860	-		
CHARLESTON	KA4NRL	224.180	-		
COLUMBIA	N7GZT	224.160	-		
COLUMBIA	N5CWH	224.560	-	T162.2	☺
COLUMBIA	KC4SWI	224.640	-		
COLUMBIA	N4EOY	224.900	-		
CROSS	KB4VFD	224.580	-		
FLORENCE	N4JJ	224.940	-		
FORT MILL	WZ4SC	224.800	-		☺
GAFF/THICKETY MT	KG4JIA	224.500	-	PROP	
GREENVILLE	W4ILY	224.200	-		☺
GRNVL/DOWNTWN	W4NYK	224.920	-	88.5	☺
LITTLE MTN	K4RWN	224.520	-		
ORANGEBURG	KO4BR	224.780	-		
PICKENS	AC4RZ	224.280	-		
PICKENS	WB4QHF	224.400	-	T131.8	☺
PICKENS/CSRS HD	WB4QHF	224.140	-	T131.8	☺
PICKENS/SASFR MT	W4IT	224.320	-		☺
SUMTER	W4GL	224.120	-		☺
SUMTER/SHAW	W4VFR	224.660	-		
WEST SPRINGS	KN4CW	224.440	-		

440 MHZ

AIKEN	AC4WW	443.400	+	T107.2	☺
ANDERSON	KD4HEY	442.750	+	PROP	
BISHOPVILLE	K4NOC	444.500	+	123.0	
BLUFFTON	WA4MPZ	442.675	+	100.0	☺
CHARLESTON	KF4CDR	442.775	+	T	☺
CHARLESTON	N4MNH	444.300	+		☺
CHARLESTON	KD4PBC	444.950	+	103.5	
CLEMSON UNIV.	WD4EOG	444.625	+	T156.7	
CLOVER	KC4KPJ	443.725	+	PROP	☺
COLUMBIA	N7GZT	442.200	+	162.2	
COLUMBIA	N4EOY	443.000	+		
COLUMBIA	N5CWH	443.500	+	162.2	☺
COLUMBIA	KF4GHC	444.200	+	T156.7	☺
COWPENS	KE4EAN	443.625	+	T136.5	☺
EASLEY/SAS MTN	AC4RZ	444.925	+	T103.5	
FLORENCE	W4ULH	444.000	+		
FORT MILL	WZ4SC	443.475	+		☺
GAFFNEY	KC4IEV	442.000	+	114.8	☺
GEORGETOWN	N5NAY	444.925	+	T	☺
GREELEYVILLE	KG4AQH	441.525	+	PROP	
GREENVILLE	KB4PQA	442.250	+		☺
GREENWOOD	W4GWD	443.900	+	107.2	☺
GRNVLE/PARIS MT	ND4N	443.350	+		☺
KNIGHTSVILLE	WA4USN	441.350	+		
LANCASTER	KC4AC	444.100	+		
LAURENS	KD4HLH	443.175	+	T146.2	☺
LAURENS	KF4Y	443.775	+	T141.3	☺
LEXINGTON	N4GUP	421.250	+		
LIBERTY	N4VDE	443.975	+	PROP	
LITTLE MOUNTAIN	N4UHF	444.650	+	PROP	
LITTLE MT	NK4W	442.975	+	T162.2	
MOUNTAIN REST	AE4PZ	442.775	+	T127.3	☺
MT PLEASANT	W4HNK	443.800	+	123.0	
MT. PLEASANT	WA4USN	441.450	+	PROP	
MYB BCH/BRKSVIL	N4LV	444.525	+		
MYR BCH/CONWAY	W4GS	444.675	+	T85.4	☺
MYRTLE BEACH	K2PJ	444.575	+	85.4	☺
NO. CHARLESTON	KT4YW	444.600	+		
ORANGEBURG	N7GZT	442.200	+	T	
ORANGEBURG	N7GZT	444.875	+		
ORANGEBURG	WM3O	444.975	+		☺
PICKENS	WT4F	442.125	+		☺
PICKENS/CSRS HD	WB4QHF	442.400	+	T127.3	☺
ROCK HILL	KC4KPJ	444.725	+	PROP	☺
SIMPSONVILLE	N4GLB	442.725	+		☺
SPARTANBURG	KU4ZS	442.175	+	PROP	
SUMMERVILLE	KC4ED	442.300	+	T	
SUMMERVILLE	W4HNK	443.800	+		☺
SUMTER	WZ4O	421.250	+		
SUMTER	W4GL	444.150	+	123.0	☺
UNION	K4USC	442.100	+		☺
WALTERBORO	KG4BZN	444.550	+	123.0	

TENNESSEE

10 METERS

GALLATIN/BNA	W4CAT	29.640	-	T107.2	☺
GREENEVILLE	WB4NKM	29.640	-		
MEMPHIS	W4ZJM	29.620	-	T*#	
SPRINGFIELD	N8ITF	29.680	-	88.5	
TELLICO PLAINS	AJ4D	29.620	-	PROP	

6 METERS

CHATTANOOGA	K4VCM	53.350	-		☺
COOKEVILLE	WA4UCE	53.190	-	PROP	☺
DRESDEN	KE4OVN	53.710	-	T107.2	
GALLATIN	WA4BGK	53.050	-	T114.8	
GEORGETOWN	WD4OAR	53.730	-	PROP	
GUTHRIE (TN/KY)	KA4ZKL	53.230	-		
KINGSPORT	K4GX	53.430	-	PROP	
#KNOXVILLE	WA4YON	53.250	-	UNCOR	
KNOXVILLE	N4OQJ	53.550	-	PROP	
KNOXVILLE	W4BBB	53.770	-	1000.0	☺
KNXVL/ENG MT	WB4IOB	53.150	-		☺
LAFOLLETTE	K4BGW	53.170	-	PROP	
MARYVILLE	KC4PDQ	53.370	-		☺
MEMPHIS	WA4KOG	53.010	-		
MEMPHIS	K4RDK	53.550	-		
MEMPHIS	W4GMM	53.930	-	T107.2	☺
MONTEAGLE MTN	NQ4Y	53.450	-	114.8	☺
MORRISTOWN	KF4FTD	53.030	-	PROP	
MORRISTOWN	KQ4E	53.230	-		
NASHVILLE	WA4BGK	53.010	-	T114.8	
NASHVILLE	N4ARK	145.210	-		☺
OAK RIDGE	WD4GYN	53.110	-		
ROAN MTN	KD4SQB	53.310	-		
#ROGERSVILLE	K4GX	53.750	-	UNCOR	
SEVIERVILLE	KD4PBC	53.090	-	PROP	
SPRINGFIELD	N8ITF	53.150	-	107.2	
WAVERLY	NO4Q	53.090	-		☺

2 METERS

ALAMO	WB4EDS	147.135	+		
ANDERSON CTY	KF4BVQ	146.700	-	T100.0	☺
ARNOLD A.F.B.	KC4FV	147.195	+		☺
ATHENS	KG4FZR	145.150	-	T141.3	☺
ATHENS	WA4PNI	145.310	-	T141.3	☺
BENTON	K4SIR	145.450	-	T	
BLOUNTVILLE	W4CBX	147.000	+		☺
BOLIVAR	WD4OZN	147.045	+		☺
BRADEN	WA4KOG	145.490	-		
BRISTOL	W4UD	146.670	-		☺
BRISTOL	WD4CYZ	146.880	-		
BROWNSVILLE	KB4YTU	145.430	-		
BROWNSVILLE	KD4AOK	146.655	-		
BRSTL/HOLSTN MT	K4JP	146.760	-		
BRUCETON	WF4Q	145.170	-	T107.2	☺
BUCKSNORT	WF4Q	145.430	-	T107.2	☺
CARLISLE	KT4WS	145.250	-		☺
CARTHAGE	N4OTT	145.190	-		☺
CHARLESTON	KD4LDU	147.060	-	T141.3	
CHATTANOOGA	K4CMY	145.130	-		☺
CHATTANOOGA	W4AM	145.290	-	T118.8	☺
CHATTANOOGA	W4AM	145.390	-		☺
CHATTANOOGA	W4AM	146.610	-		☺
CHATTANOOGA	W4AM	146.790	-		☺
CLARKSVILLE	WD4SGA	147.000	+		☺
#CLARKSVILLE	KF4L	147.390	+	UNCOR	
CLEVELAND	W4GZX	146.925	-		☺
CLEVELAND	KD4NEC	147.105	+		☺
CLEVELAND	WD4DES	147.180	+	T118.8	☺
COLLEGEDALE	KA6UHV	147.000	+	T131.8	☺
COLLIERVILLE	WT4E	145.330	-	PROP	☺
COLUMBIA	W4GGM	147.120	+	T127.3	☺
COOKEVILLE	NQ4Y	145.110	-		☺
COOKEVILLE	WA4UCE	145.430	-		☺
COOKEVILLE	W4HPL	147.210	+		☺
CORNERSVILLE	WB4VXX	146.625	-	107.2	
#CORNERSVILLE	KF4TNP	146.805	-	UNCOR	
CROSS PLAINS	K4BBN	147.345	+		☺
CROSSVILLE	W4EYJ	146.805	-	131.8	
CROSSVILLE	KF4DPU	146.865	-		
CROSSVILLE	KF4HNV	146.895	-	PROP	
CUMBERLAND CITY	WD4DBJ	145.330	-		
CUMBERLAND CITY	WA4TLZ	146.925	-	T127.3	
DANDRIDGE	WD4EGD	146.895	-	T	
DAYTON	K4PHT	147.345	+		
DAYTON/RHEA CTY	K4DPD	147.390	+		☺
DICKSON	KN4HL	147.375	+		☺
DOVER	N4VIH	145.410	-		
DRESDEN	KE4OVN	145.350	-	107.2	
DYERSBURG	W4MV	146.745	-		☺
ELIZTON/HOLS MT	KF4ZQA	145.290	-	T100.0	☺
ERWIN/PINNACLE	N4WXS	145.250	-	T	
ERWIN/UNICOI	KF4BRS	147.165	+		
EVA	AD4QG	147.090	+		
FAYETTEVILLE	W4BV	147.030	+		☺
FRANKLIN	W4XS	145.150	-		
FRANKLIN	WA4JA	147.255	+		
FRUITLAND	WF4Q	146.775	-	T107.2	☺
GALLATIN	W4LKZ	147.240	+	T114.8	
GALLATIN	WA4YQC	147.270	+	T114.8	
GALLATIN	W4CAT	147.300	+	T114.8	☺
GERMANTOWN	W2GLJ	145.210	-		☺
GRAY	WM4T	145.110	-		
GREENBRIER	WQ4E	147.075	+	T107.2	
GREENEVILLE	W4WC	145.390	-		☺
GREENEVILLE	KB4UG	147.060	+	186.2	
GRNVL/VIKING MT	K4MFD	145.410	-	T173.8	☺
GTLBG/COVE MTN	WA4KJH	146.850	-	T127.3	
HARRIMAN	KA4QYI	146.640	-	T100.0	☺
HARRIMAN	KC4WHL	146.745	-		
HENDERSON	K4TC	147.105	+	T	☺
HUNTINGDON	KB4YTM	146.835	-		
JACKSON	KF4SC	145.310	-		☺
JACKSON	WF4Q	147.210	+	T107.2	☺
JACKSON	WB0TMC	147.270	+		
JAMESTOWN	K4NLP	147.090	+	T100.0	☺
JASPER	KD4XV	145.190	-	T127.3	☺
JOHNSON CITY	W4ABR	146.790	-		☺
JOHNSON CITY	KE4FH	147.270	+		
JONESBOROUGH	WD4OBW	146.925	-		☺
KNGSPT/BAYS MT	W4TRC	146.970	-		
KNOXVILLE	WB4GBI	145.170	-		☺
KNOXVILLE	WA4TEM	145.330	-		☺
KNOXVILLE	KB4KIE	145.370	-		
KNOXVILLE	WB4YLC	145.430	-		☺
KNOXVILLE	WB4GBI	145.470	-		☺
KNOXVILLE	WB4GBI	146.625	-	T100.0	☺
KNOXVILLE	KC4ROG	146.910	-	T	
KNOXVILLE	WB4GBI	146.940	-		☺
#KNOXVILLE	KD4CWB	147.000	-	UNCOR	
KNOXVILLE	WB4GBI	147.075	+		☺
KNOXVILLE	KD4CWB	147.195	+	PROP	
KNOXVILLE/RACK	W4BBB	145.210	-	T100.0	☺
KNOXVILLE/RACK	W4BBB	147.300	+	T100.0	☺
KNXVL/ENG MT	WB4IOB	146.730	-		☺
LAFAYETTE	KC4ECD	145.310	-	T151.4	☺
LAFOLLETTE	KA4OAK	145.130	-		
LAFOLLETTE	K4BGW	146.670	-		☺
LAFOLLETTE	KA4OAK	147.360	+		
LAKE CITY	WB4OAH	146.820	-		
LAVERNE	W4CAT	145.230	-		☺
LAWRENCEBURG	W4RDM	146.655	-	T	
LEBANON	WB4DOR	145.390	-		
LEBANON	W4LYR	147.105	+	T100.0	☺
#LEWISBURG	KF4TNP	147.390	+	UNCOR	☺
LIVINGSTON	W5BAK	147.045	+		☺
MANCHESTER	W4UOT	146.700	-	T114.8	☺
MARTIN	N4ABU	146.625	-		
MARYVILLE/ALCOA	W4OLB	146.655	-		☺
MAYNARDVILLE	KB4KIE	145.230	-		
MCEWEN	NO4Q	147.225	+		☺
MCMINNVILLE	WD4MWQ	146.970	-		
MCMINVL/SHT MT	WB4LHO	145.490	-		
MCNAIRY	WF4Q	147.075	+	T107.2	☺
MEDINA	WA4RWK	146.970	-		
MEMPHIS	KF4ATY	145.130	-	T107.2	
MEMPHIS	K0JXI	145.150	-		
MEMPHIS	N4ER	145.250	-	T146.2	
MEMPHIS	K5FE	145.410	-	T107.2	
MEMPHIS	WA4KOG	145.450	-		
MEMPHIS	WB4KQQ	146.640	-		
MEMPHIS	KE4LFZ	146.730	-	T107.2	☺
MEMPHIS	W4KIB	146.790	-	T107.2	
MEMPHIS	W4BS	146.820	-	T	
MEMPHIS	WA4KOG	146.850	-		
MEMPHIS	WA4KOG	146.880	-		
MEMPHIS	N4BSM	146.940	-	T107.2	
MEMPHIS	W4ZJM	147.000	-	T*#	
MEMPHIS	W4EM	147.030	+		☺
MEMPHIS	WA4MQQ	147.060	+		
MEMPHIS	W4GMM	147.090	+	T107.2	☺
MEMPHIS	N4WAH	147.120	+	T107.2	
MEMPHIS	WA4KOG	147.180	+		
MEMPHIS	WA4ADT	147.300	+	107.2	
MEMPHIS	W4BS	147.360	+	T107.2	
MONTEAGLE MTN	NQ4Y	145.410	-	T114.8	☺
MORGAN COUNTY	WD4ORB	147.330	+	T82.5	☺
MORRISTOWN	KQ4E	145.450	-		
MORRISTOWN	KQ4E	147.030	+		
MORRISTOWN	WB4OAH	147.225	+		
#MORRISTOWN	KQ4E	147.390	+	UNCOR	
MOUNTAIN CITY	KF4RBR	145.470	-	103.5	☺
#MT PLEASANT	KF4GHD	145.450	-	UNCOR	☺
MURFREESBORO	WB4LHO	145.170	-		
NASHVILLE	KC4WPS	145.130	-	T114.8	☺
NASHVILLE	N4ARK	145.210	-		☺
NASHVILLE	N4ARK	52.525	+		☺
NASHVILLE	WR3S	145.370	-		☺
NASHVILLE	N4ARK	145.470	-		☺
NASHVILLE	WA4PCD	146.610	-	T	
NASHVILLE	AF4TZ	146.640	-	T114.8	☺
NASHVILLE	AF4TZ	146.670	-	T114.8	☺
NASHVILLE	WA4PCD	146.760	-	T114.8	
NASHVILLE	W4SQE	146.790	-	T	☺
NASHVILLE	W4AY	146.850	-	T114.8	☺
NASHVILLE	WA4PCD	146.880	-	T	
#NASHVILLE	NT4L	146.955	-	UNCOR	
NASHVILLE	KC4PRD	146.985	-		
NASHVILLE	AF4TZ	147.015	+	T	☺
NASHVILLE	K4AYN	147.045	+		
NASHVILLE	K4ZGA	147.180	+	T114.8	
NASHVILLE	AF4TZ	147.360	+	T	☺
NASHVILLE WEST	WA4PCD	147.150	+	T114.8	
NASHVL/FAIRVIEW	N4ARK	145.110	-	151.4	☺
NOLENSVILLE	WD4JYD	145.350	-	114.8	☺
OAK RIDGE	W4SKH	146.880	-		☺
OAK RIDGE	W4SKH	146.970	-		☺
OAK RIDGE	K4EAJ	147.120	+	T82.5	☺
OAK RIDGE	K4EAJ	147.150	+	T82.5	☺
OAKFIELD	WA4BJY	147.390	+	T	
ONEIDA	KB4PNG	145.350	-	PROP	
#ONEIDA	KB4PNG	146.820	-	UNCOR	☺

SERA REPEATER LISTINGS - BY STATE - BY CITY . . . continue

TENNESSEE REPEATERS CONTINUE

PARIS	K4KLX	147.360	+		
PETROS/FRZ HD MT	KJ4SI	147.255	+		☺
PIGEON FORGE	KD4CLA	145.270	-	T100.0	
PIKEVILLE	KF4JPT	147.285	+		☺
PULASKI	WD4RBJ	147.330	+	100.0	☺
PULASKI/MUSIC MT	W4JVO	146.775	-		
PURYEAR	WA4CEX	147.165	+		
RAMER	WB4MMI	146.700	-	T107.2	☺
RCKWD/MT ROSVLT	AA4KS	147.015	+		☺
RIDGETOP	K4DXC	145.290	-	114.8	☺
RIPLEY	KE4NTL	145.230	-	T100.0	☺
ROGERSVILLE	KD4HZN	147.315	+	T114.8	☺
SALTILLO	KB4JUB	146.715	-		
SARDIS	AF4OQ	147.195	+	T94.8	
SELMER	WB4MMI	146.805	-	T107.2	☺
SHELBYVILLE	N4VFB	147.060	+		
SHILOH	WF4Q	145.290	-	T107.2	☺
SHORT MTN	W4YXA	146.910	-		
SOMERVILLE	KF4OID	145.110	-	107.2	
SPARTA	N4ARK	147.315	+	T123.0	☺
SPARTA/WHITE	KR4BT	147.165	+	T123.0	☺
TELLICO PLAINS	AJ4D	147.315	+	T141.3	
TRENTON	KN4KP	146.865	-		
UNION CITY	WA4YGM	146.700	-		
UNION CITY	WF4Q	147.015	+	T107.2	☺
WALLAND	KF4ARH	146.685	-	T88.5	
WARTBURG	AA4YQ	146.745	-		☺
WATERTOWN	K4EHL	146.730	-	T100.0	☺
WATERTOWN	W4LYR	146.835	-	T100.0	☺
WINCHESTER	W4UOT	146.820	-		☺

220 MHZ

BLOUNTVILLE	W4CBX	224.200	-		☺
CHATTANOOGA	K4VCM	224.780	-		☺
CLEVELAND	KK4US	224.320	-		
COALFIELD	KC4WGH	224.840	-	T88.5	☺
COLLIERVILLE	KB4YGI	224.400	-		
ERWIN	KB8FPK	224.180	-	88.5	☺
GALLATIN	W4CAT	223.980	-	107.2	☺
GALLATIN	KD4VUW	224.700	-		
GATLINBURG	W4UWH	224.620	-		
GREENBRIAR	WQ4E	224.800	-		
GREENBRIER	WQ4E	224.760	-		
GREENEVILLE	W4WC	224.900	-	T100.0	☺
GREENEVILLE	WB4NKM	224.940	-		
HERMITAGE	WB4SJV	223.900	-		
JC/BUFFALO MT	KE4FH	224.780	-		
KNOXVILLE	WB4GBI	224.340	-	PROP	☺
KNOXVILLE	N4OQJ	224.380	-	100.0	
KNOXVILLE	N4KFI	224.580	-	T103.5	
KNOXVILLE	K4PCK	224.760	-		☺
KNOXVILLE/RACK	W4BBB	224.500	-	T100.0	☺
KNXVL/CROSS MT	KB4FZK	224.220	-	T100.0	
LAFOLLETTE	KA4OAK	224.280	-		
LAVERGNE	WR3S	224.360	-		☺
LEWISBURG	KF4TNP	224.100	-		
MEMPHIS	W4ZJM	223.940	-	T*#	
MEMPHIS	W4BS	224.420	-		
MEMPHIS	WA4KOG	224.780	-		
MORRISTOWN	N4RBB	224.400	-		
MORRISTOWN	KC4RGQ	224.640	-		
MURFREESBORO	KD4TZZ	224.600	-	123.0	☺
NASHVILLE	WR3S	224.160	-		
#NASHVILLE	KC4TFQ	224.440	-	UNCOR	
NASHVILLE	WR3S	224.460	-		
NASHVILLE	K4ZGA	224.480	-		
NASHVILLE	WR3S	224.660	-		
NASHVILLE	N4PYI	224.740	-	T100.0	☺
NASHVILLE	KC4PRD	224.840	-		
NASHVILLE	WA4PCD	224.940	-	T	
NEWPORT	AC4JF	224.560	-	T100.0	☺
ONEIDA	KB4PNG	224.140	-		☺
ROGERSVILLE	KD4HZN	224.480	-		☺
S. PITTSBURG	WR3S	224.760	-		
SE NASHVILLE	WR3S	224.960	-		
SEVIERVILLE	N2FUV	224.440	-	T	
SEVIERVILLE	KD4IBW	224.700	-	T100.0	
SEVIERVILLE	KD4IBW	224.800	-		
SHORT MTN.	N4PYI	224.260	-	T114.8	☺
SIGNAL MT	W4RRG	224.920	-	PROP	☺
SMITHVILLE	WR3S	223.960	-		☺
SPRINGFIELD	KO4BN	224.220	-		
SPRINGFIELD	N8ITF	224.540	-	107.2	
SWEETWATER	WD9JGI	224.900	-	T127.3	

440 MHZ

ALAMO	WB4EDS	443.750	+		
ARNOLD A.F.B.	KC4FV	443.950	+		☺
BARTLETT	K4VVM	443.700	+	T107.2	
BARTLETT	WA4PAJ	444.250	+		
BIG SANDY	W4TLB	443.600	+	114.8	☺
BRSTL/HOLSTN MT	K4JP	444.500	+		
CHAT/MNTLAKE MT	KD4UWA	444.875	+	T156.7	
CHAT/WALDEN	AF4ZJ	442.425	+		
CHATT/HIXSON	N4WT	442.900	+		☺
CHATTANOOGA	WJ9J	442.150	+		☺
CHATTANOOGA	KT4OL	443.125	+	PROP	☺
CHATTANOOGA	KT4OL	443.125	+	PROP	☺
CHATTANOOGA	WB4LRD	443.550	+		
CHATTANOOGA	KD4MSS	443.750	+	PROP	
CHATTANOOGA	KD4HII	443.900	+	T	
CHATTANOOGA	W4AM	444.100	+		☺
CHATTANOOGA	KE4LQY	444.150	+		☺
CHATTANOOGA	KD4HII	444.200	+	T	
CLARKSVILLE	WA4BZU	444.325	+	T107.2	☺
CLARKSVILLE	KF4GP	444.950	+	T167.9	
CLEVELAND	WD4DES	442.250	+	T118.8	☺
CLEVELAND	KD4NED	442.450	+	PROP	
CLEVELAND	W4GZX	444.275	+		☺
COLLEGEDALE	KA6UHV	443.575	+	T131.8	☺
COLLIERVILLE	KA7UEC	443.300	+	107.2	☺
COLLIERVILLE	KA7UEC	443.625	+	T107.2	☺
COLLIERVILLE	WT4E	444.625	+	T107.2	☺
COLUMBIA	W4RDM	442.725	+		
COLUMBIA	WA4AKM	444.925	+	T107.2	☺
COOKEVILLE	WA4UCE	442.300	+	107.2	☺
COOKEVILLE	NQ4Y	444.550	+	T107.2	☺
COOKEVILLE	WS4S	444.600	+	T107.2	
CROSSVILLE	W4EYJ	444.950	+	T118.8	
CUMBERLAND CITY	WD4DBJ	443.400	+		
DAYTON	KJ4BJ	442.075	+		☺
DEASON	WA4AWI	443.350	+	T107.2	
DECATUR	KE4MBR	442.725	+	PROP	
DOVER	N4VIH	444.925	+		
DRESDEN	KA4BNI	442.150	+	107.2	☺
DRESDEN	KE4OVN	443.850	+	T107.2	
ETOWAH	KF4CFO	442.275	+	141.3	☺
EVA	AD4QG	443.625	+		
FRANKLIN	N4ULM	443.850	+		
FRANKLIN	WA4AKM	444.725	+	T107.2	☺
GALLATIN	WD4BKY	444.000	+	T107.2	
GALLATIN	WD4BKY	444.350	+	T114.8	
GALLATIN	W4CAT	444.450	+	T107.2	☺
GALLATIN	WA4AKM	444.775	+	T107.2	☺
GATLBG/COVE MT	WA4KJH	443.300	+	T127.3	
GATLINBURG	KD4PBC	443.150	+	PROP	
GERMANTOWN	W2GLJ	444.175	+		☺
GOODLETTSVILLE	KC4PRD	443.125	+	107.2	
GRAY	WM4T	442.200	+	T100.0	
GREENBRIER	WQ4E	444.250	+		
GREENEVILLE	W4WC	443.200	+	PROP	
GREENEVILLE	WB4NKM	444.650	+	T100.0	
GREENEVILLE	K4GX	444.950	+	PROP	
HARRIMAN	KC4WHL	442.875	+	T136.5	
HARRIMAN	KC4WHL	444.025	+		
HENDERSON	KE4PFW	442.275	+		
HENDERSON	KU4RT	442.575	+		
HENDERSON	K4TC	444.750	+	T	☺
HICKORY VALLEY	KA4JXT	443.125	+	107.2	☺
HIXSON	KF4VWJ	444.750	+	PROP	
HOHENWALD	K4TTC	442.000	+		☺
HUNTINGDON	KB4YTM	444.375	+		
JACKSON	KA4BNI	442.425	+	107.2	
JACKSON	KE4CES	442.900	+	T114.8	☺
JACKSON	WB0TMC	444.725	+	T107.2	
JAMESTOWN	KC4MJN	443.625	+	T100.0	
JASPER	KD4XV	442.050	+	T127.3	☺
JEFFERSON CITY	KD4TUD	444.625	+	T	
JOHNSON CITY	KE4FH	444.100	+		
JOHNSON CITY/BUF	WD4ATV	421.250	+		☺
JOHNSON CITY/HOL	WB4SQC	442.050	+	T100.0	☺
KNOX/ENGLSH MT	WB4HAP	444.600	+		☺
KNOXVILLE	WB4HAP	442.500	+	T103.5	☺
KNOXVILLE	N4UAG	443.025	+		
KNOXVILLE	KA4AZQ	443.075	+	PROP	
KNOXVILLE	KD4CWB	443.500	+	T	
KNOXVILLE	KA4AZQ	443.800	+	T100.0	
KNOXVILLE	KD4OBX	443.950	+		
KNOXVILLE	KD4CWB	444.000	+	PROP	
KNOXVILLE	KC4NNN	444.175	+	T	
KNOXVILLE	WB4GBI	444.300	+		☺
KNOXVILLE	KB4KSL	444.325	+		
KNOXVILLE	KC4NNN	444.425	+	T	
KNOXVILLE	KD4IBW	444.525	+	T100.0	
KNOXVILLE	KD4TZD	444.925	+		☺
KNOXVILLE/RACK	W4BBB	444.575	+	T100.0	☺
LAFAYETTE	KC4ECD	444.125	+	T107.2	☺
LAFOLLETTE	KB4OTK	443.700	+		☺
LAKE CITY	WD4LUR	442.800	+	T100.0	
LAVERGNE	WR3S	443.975	+	T	
LEBANON	WA4AWI	443.275	+	T107.2	
LEBANON	W4LYR	443.575	+	T100.0	☺
LEBANON	WA4AXH	444.275	+	T	
LEWISBURG	KF4TNP	442.100	+	107.2	
LEWISBURG	KG4JJB	444.075	+	107.2	
LEXINGTON	KA4BNI	442.075	+	107.2	
LORETTO	KF4OCK	442.875	+	203.5	
MARYVILLE	K4BTL	442.000	+		
MARYVILLE	KC4PDQ	444.075	+	100.0	☺
MARYVILLE	KE4FGW	444.825	+	T100.0	☺
MCEWEN	KE4KNZ	443.925	+	T	
MCKENZIE	KD4KPV	443.875	+		
MCMINNVILLE	WD4MWQ	444.850	+	T	
MCNAIRY	WF4Q	444.550	+	T107.2	☺
MEDINA	WA4BJY	442.050	+		
MEMPHIS	W4GMM	442.175	+	T107.2	☺
MEMPHIS	NU5O	442.575	+	77.0	☺
MEMPHIS	WB4EPG	442.625	+		
MEMPHIS	WF4G	442.825	+		
MEMPHIS	W4ZJM	443.000	+	T*#	
MEMPHIS	KA4JXT	443.100	+	T107.2	☺
MEMPHIS	KA4JXT	443.125	+	T	☺
MEMPHIS	W4BS	443.200	+	T107.2	
MEMPHIS	WA4QWW	443.400	+		
MEMPHIS	N4ER	443.950	+	T	☺
MEMPHIS	K4RDK	444.025	+		
MEMPHIS	KF4ATY	444.075	+	107.2	
MEMPHIS	KA4JXT	444.100	+	T	☺
MEMPHIS	KA4JXT	444.125	+	T	☺
MEMPHIS	WA4KOG	444.400	+		
MEMPHIS	N4WAH	444.500	+	T	
MEMPHIS	K0JXI	444.800	+		
MEMPHIS	K5FE	444.825	+	107.2	
MEMPHIS	K7AG	444.850	+	T107.2	
MEMPHIS	WB4NNE	444.950	+		
MILAN	WD4PAX	442.100	+		☺
MONROE CO	KG4KIJ	443.725	+	PROP	
MONTEAGLE MT.	NQ4Y	441.250	+		☺
#MORRISTOWN	KD4LP	444.800	+	UNCOR	
MORRISTOWN	KQ4E	444.975	+	T	
MOUNTAIN CITY	K4DHT	443.925	+	T103.5	☺
MT JULIET	N4PYI	444.400	+	T	☺
MT JULIET	N4PYI	444.750	+	T156.7	☺
MT PLEASANT	KG4GCZ	443.175	+	107.2	
MURFREESBORO	KD4TZZ	441.875	+	107.2	☺
NASHVILLE	AF4TZ	421.250	+		☺
#NASHVILLE	WB4PUB	443.050	+	UNCOR	
NASHVILLE	KB5YJC	443.725	+	T107.2	☺
NASHVILLE	N4PYI	444.050	+	T107.2	☺
NASHVILLE	AF4TZ	444.150	+	T107.2	☺
NASHVILLE	N4ARK	444.200	+	T	☺
NASHVILLE	N4ARK	444.225	+	T114.8	☺
NASHVILLE	WA4BZU	444.300	+	T107.2	☺
NASHVILLE	WA4BGK	444.525	+	T107.2	
NASHVILLE	WA4PCD	444.550	+		
NASHVILLE	WA4WCK	444.575	+	T	☺
NASHVILLE	WA4TOA	444.625	+	T107.2	☺
NASHVILLE	WA4PCD	444.675	+	T	
NASHVILLE	N4PYI	444.800	+	T110.9	☺
NASHVILLE	WA4AKM	444.875	+	T107.2	☺
NASHVILLE	WA4AKM	444.975	+	T107.2	☺
NOLENSVILLE	WA4AXH	443.650	+	T	
OAK RIDGE	K4EAJ	444.400	+	T82.5	☺
OAKFIELD	WA4BJY	442.200	+	T	
ONEIDA	KT4PN	442.825	+		
PARIS	KC4YLL	442.950	+	123.0	
PARIS	AD4LR	443.675	+		
PIGEON FORGE	KD4CLA	444.350	+	T156.7	
PROSPECT	WA4AUX	444.600	+	T118.8	
PULASKI	WD4RBJ	442.150	+	118.8	☺
RAMER	WB4MMI	444.900	+	T	☺
RCKWOOD/OZONE	WJ9J	442.225	+		☺
ROCKWOOD	KA4WJS	443.975	+		
ROGERSVILLE	K4GX	443.350	+	T	
SEVIERVILLE	KD4IBW	443.675	+	T100.0	
SEVIERVILLE	N4CKB	444.725	+	T123.0	☺
SHELBYVILLE	WA4PZN	442.700	+	T	
SHELBYVILLE	KC4KRM	443.825	+		
SHRT MT/MURFREB	W4CAT	444.650	+	T107.2	☺
SMITHVILLE	N4PYI	444.825	+	T107.2	☺
SODDY DAISY	WJ9J	444.450	+		☺
SPARTA	KR4BT	444.375	+	123.0	☺
SPENCER	KA4MHJ	443.775	+	123.0	☺
SPRINGFIELD	N8ITF	442.600	+	107.2	
SUMMITVILLE	N4ZKR	444.475	+	T107.2	☺
TRI-CITIES	KD4PBC	443.150	+	PROP	
WATERTOWN	W4LYR	444.900	+	T100.0	☺
WAVERLY	NO4Q	442.225	+	110.9	☺
WHITE HOUSE	W4KOC	443.900	+	T107.2	
WHITE OAK MT	WD4OAR	442.925	+	100.0	☺

920 MHZ

LEWISBURG	KF4TNP	920.500	-		
MORRISTOWN	KQ4E	920.800	-		
NASHVILLE	K4ZGA	923.250	-		

1270 MHZ

LEWISBURG	KF4TNP	1285.300	-		
MEMPHIS	N4HKS	1292.000	-		
NASHVILLE	WA4AKM	1284.400	-		☺
NASHVILLE	KD4EEW	439.250	+		
SMITHVILLE	WA4AKM	1286.500	-		☺

VIRGINIA

10 METERS

FANCY GAP	KE4QOX	29.660	-	T123.0	☺
NEWPORT NEWS	W4CM	29.600	+		
STERLING PARK	KD4DN	29.680	-		

SYMBOLS: ☺ = Full Member SERA T=Tone Accessed (plus tone freq)
# and/or UNCOR = Uncoordinated PROP = Proposed Rptr. Under Const.

SERA REPEATER LISTINGS - BY STATE - BY CITY . . . continue!

VIRGINIA REPEATERS CONTINUE

6 METERS

ALEXANDRIA	W4HFH	53.130	-		
AMELIA	WB3R	53.390	-		
AMELIA COURTHSE	KB4YKV	53.110	-		
BALD TOP MT	AD4CG	53.910	-		
BEDFRD/THAX MT	N4CH	53.150	-		☺
BLUEFIELD	N8RIG	53.370	-	PROP	
BULLRUN	K8GP	53.450	-		
CHESTERFIELD	KD4SUU	53.430	-		
DANVILLE(DCC)	WB4GJG	53.130	-	T	
FANCY GAP	WA4CQK	53.290	-	T100.0	
GATE CITY	N4WWB	53.210	-		☺
GUM SPRING	KB4MIC	53.070	-	203.5	☺
HAMPTON	WA4OHX	53.890	-		
LEXNGTN/ROCK MT.	KI4ZR	53.010	-		☺
LYNCHBURG	KE4KEH	53.570	-	103.5	☺
MCCLEAN	K6LEW	53.370	-		
NEWPORT NEWS	KT4QW	53.250	-	T	☺
PEARISBURG	KE4JYN	53.470	-	T107.2	☺
RICE	KE4SFU	53.170	-		
ROANOKE	N4CH	53.250	-		☺
ROANOKE/POOR MT	WB8BON	53.090	-		☺
ROCKY MT/FERRUM	WD4KZK	53.270	-	T107.2	☺
VESTA	N4GBO	53.430	-	PROP	
WHITE TOP MTN	KB4YFV	53.650	-		

2 METERS

ABINGDN/BRMLY MT	K4JP	146.610	-		
ABINGDON	NM4L	147.345	+	T103.5	☺
ACCOMAC	K4BW	147.255	+	T156.7	☺
ALEXANDRIA	K4US	146.655	-		
ALEXANDRIA	W4HFH	147.315	+		
ALTAVISTA	WA4ISI	146.655	-		☺
AMELIA	WB3R	145.190	-		
AMELIA COURTHSE	KB4YKV	147.180	+		
AMHERST	K4CQ	145.490	-	T136.5	☺
ARLINGTON	WB4MJF	145.150	-		
ARLINGTON	WB4MJF	145.470	-		
ARLINGTON	KF4JPC	146.625	-		
BEDFORD	N4CH	145.230	-		☺
BEDFORD	WB4JBJ	147.105	+		☺
BEDFRD/APL ORCH	WA1ZMS	146.685	-	T100.0	☺
BIG "A" MTN	KD4TC	146.805	+	T103.5	☺
BLACKSBURG	W9KIC	146.715	-		☺
BLAND	N4AZJ	145.350	-	T103.5	☺
BLUEFIELD	KD8XK	145.250	-	T100.0	☺
BLUEFIELD	W8MOP	145.490	-		☺
BLUEFIELD/ONEIDA	WZ8E	146.955	-	100.0	☺
BLUEMONT	WA4TSC	147.300	+		
BOYDTON	KD4ZTK	147.240	+		
CHARLOTTESVILLE	WA4TFZ	146.760	-	T88.5	☺
CHARLOTTESVILLE	WA4TFZ	146.925	-		☺
CHESAPEAKE	WA4YSE	146.610	-		
CHESAPEAKE	N4SD	146.790	-		
CHESAPEAKE	W4CAR	146.820	-	T162.2	
CHESTERFIELD	KD4KWP	145.310	-	127.3	
CHESTERFIELD	KA4CBB	147.360	+		☺
#CLINCHCO	KK4MW	146.985	-	UNCOR	
CLINCHCO	KB4RFN	147.150	+	T88.5	
#CLINCHCO	WD4CYZ	147.255	+	UNCOR	
COEBURN	AD4OV	145.430	-	103.5	☺
COVINGTON	WA4HTI	146.805	-		☺
CULPEPER	AF4CY	145.410	-		
CULPEPER	W4CUL	147.120	+		
DANVILE/WHT OAK	K4AU	146.700	-	107.2	☺
DANVILLE(DCC)	WB4GJG	146.925	-	T107.2	
DUBLIN	W4CBM	146.670	-		
DULLES AIRPORT	W4DLS	145.310	-		
EASTVILLE	KC4KMY	147.345	+	T156.7	☺
ELK CRK/IRON MT	N4MGQ	147.240	+	T107.2	☺
ENON	WB4VWR	147.060	+	T107.2	☺
FAIRFAX	K4KXK	146.790	-		
FARMVILLE	KE4ZBH	145.330	-		☺
FARMVILLE	KE4ZBH	146.910	-		☺
FARMVILLE	N4CFA	146.955	-	T136.5	☺
FINCASTLE	W4WIC	146.640	-		☺
FOREST	AG4AN	146.775	-	PROP	
FRANKLIN	W4LG	147.300	+	T131.8	☺
FREDERICKSBUR	K4TS	147.015	+		
GALAX/BRIRP MT	W4BRC	147.090	+		☺
GARRISONVILLE	N4NW	145.270	-		
GATE CITY	N4WWB	146.820	-	T	☺
GLOUCESTER	W4HZL	145.370	-	T	☺
GOOCHLAND	N4TZE	147.090	+		
GREENBAY	K4ARO	145.150	-		
GRUNDY	K4HWQ	147.315	+		
GRUNDY/BIG A MT	KK4EH	146.835	-		☺
GUM SPRING	WB4IKL	147.270	+		☺
HAMPTON	WA4OHX	145.490	-		
HAMPTON	W4QR	146.730	-		☺
HAMPTON	K4UMI	146.940	-	T	
HAMPTON	KA4VXR	147.225	+	T136.5	
HARRISONBURG	N4YET	145.130	-		
HARRISONBURG	N4RAG	146.895	-		
HARRISONBURG	N4RAG	147.225	+		
HARRISONBURG	N4YET	147.315	+		
HIGH KNOB MT	K4QZJ	145.210	-		
JARRATT I-95	K4SVA	146.625	-	T100.0	☺
KINGS CROSSING	N5GQD	147.150	+		
LEXINGTON	KI4ZR	147.300	+	131.8	☺
LEXNGTN/ROCK MT.	KI4ZR	147.330	+		☺
LURAY	KE4JSV	147.030	+		
LYNCHBURG	KC4RBA	145.370	-	186.2	☺
LYNCHBURG	W4WWQ	146.610	-	136.5	☺
LYNCHBURG	AB4M	147.015	-	T131.8	☺
LYNCHBURG	WA4RTS	147.195	+	T136.5	☺
MANASSAS	W4OVH	146.970	-		
MARION	N4QLF	146.640	-	T103.5	
MARTINSVILLE	KF4KVG	147.285	+	T107.2	☺
MCLEAN	W4CIA	147.210	+		
MECHANICSVILLE	W4TTL	146.805	-	PROP	☺
MONTEREY	WD4ITN	147.180	+	T100.0	☺
MONTPELIER	KQ4RH	145.250	-	T	☺
MOUNTAIN LAKE	WZ8E	146.865	+	110.9	☺
MT.LAKE/BALD KNB	K4TUE	146.910	-	107.2	☺
NEWMARKET	W3MMC	146.625	-		
NEWPORT NEWS	W4MT	145.230	-	T100.0	☺
NEWPORT NEWS	W4CM	147.165	+		
NORFOLK	WA4ZUA	145.170	-	136.5	☺
NORFOLK	W4VB	145.330	-		☺
NORFOLK	KF8PT	146.700	-	PROP	
NORFOLK	AD4ZK	147.075	+		☺
NORTON	KF4VDF	146.865	-	T103.5	
NORTON/HIGH KNB	K4AXO	147.015	-	T88.5	
PAGECO	KD4DDI	146.670	-		
PATRICK SPRINGS	WB8POC	147.120	+	T107.2	☺
PEARISBURG	N4AZJ	147.135	+	T100.0	☺
PEARISBURG	W4NRV	147.375	+	T100.0	☺
PETERSBURG	KE4SCS	146.985	-	PROP	☺
PETERSBURG	K4ARO	147.390	+		
PKS KB/PULASKI	N4NRV	147.180	+	T103.5	☺
PORTSMOUTH	W4POX	146.850	-		☺
QUANTICO	#W4NFR	147.345	+		
RADFORD/RINER	N3ZE	145.150	-		☺
RICHMOND	K4YPE	145.110	-		☺
RICHMOND	W4SQT	145.430	-		☺
RICHMOND	WB4QEY	146.640	-		
RICHMOND	W4RAT	146.880	-		☺
RICHMOND	W4ZA	146.940	-		☺
RICHMOND	WA4JST	147.030	-		
RICHMOND	KC4VDZ	147.135	+	T107.2	☺
ROANOKE	N2EDE	145.210	-	107.2	☺
ROANOKE	N4AP	146.940	-		
ROANOKE/POOR MT	K4ARO	145.390	-	T107.2	
ROANOKE/POOR MT	K4ROA	146.745	-	T107.2	☺
ROANOKE/POOR MT	W4CA	146.985	-		
ROANOKE/POOR MT	KB4QWO	147.270	+		☺
RUSTBURG	N4UTN	145.290	-	T	☺
RUSTBURG/LONG MT	N4UTN	146.835	-	T173.8	☺
SALEM	WA4V	146.880	-		
SALUDA	AA4HQ	145.450	-		☺
SMITHFIELD	WT4RA	147.195	+	T100.0	☺
SOUTH BOSTON	KF4LWH	145.350	-		
SOUTH BOSTON	KF4AGO	147.060	-		
SOUTH HILL	N4ZCM	145.470	-		
SPOTSYLVANIA	K4MQF	146.775	-		
STAUNTON	KD4KAU	145.450	-	T131.8	
STAUNTON	KD4WWF	146.700	-	T131.8	
STAUNTON	WA4ZBP	146.850	-	T131.8	
STAUNTON	W4WRN	146.970	-		
STAUNTON/EL.KB	KE4CKJ	147.045	+	T131.8	☺
STERLING	WA4TXE	146.700	-		
STUARTS DRAFT	KB4OLM	147.360	+		☺
SUFFOLK	W4LG	147.000	-	T100.0	☺
TYSONS CORNER	KF4QQP	146.910	-		
VIENNA	K4HTA	146.685	-		
VIRGINIA BEACH	WA4KXV	146.895	-		☺
VIRGINIA BEACH	WA4KXV	146.970	-		☺
VIRGINIA BEACH	WA4SBC	147.045	+		
WALKERTON	W4TTL	146.715	-		☺
WARRENTON	KB3BOI	145.350	-		
WARRENTON	NZ4N	147.165	+		
WARSAW	KA4ZIP	147.285	+		☺
WAYNESBORO	W4PNT	147.075	+		☺
WILLIAMSBURG	KF4ADM	145.410	-	127.3	
WILLIAMSBURG	K4RC	146.670	-	T	
WILLIAMSBURG	KB4ZIN	146.760	-		☺
WILLIAMSBURG	KB4ZIN	147.105	+		☺
WINCHESTER	KB3BOI	145.350	-		
WINCHESTER	W4RKC	146.820	-		
WOODBRIDGE	W4IY	147.240	+		
WYTH/WALKER MT	WB3T	146.895	-	T103.5	☺
WYTHEVILLE	WB3T	146.775	-	T107.2	☺

220 MHZ

ARLINGTON	WB4MJF	224.060	-		
ARLINGTON	WB4MWF	224.620	-		
BEDFORD	N4PLV	224.840	-		
BEDFRD/APL ORCH	WA1ZMS	224.180	-	T100.0	☺
BELL KNOB	WD4KHP	224.440	-		
BERRYVILLE	WD4KHP	224.400	-		
BERRYVILLE	WD4KHP	224.740	-		
BLUEFIELD	N8FWL	224.440	-	PROP	☺
BLUEFIELD	WA8O	224.920	-		
BLUEMTN	KF4VED	224.160	-		
CHARLOTTESVILLE	N4HRV	224.140	-	T88.5	☺
CHARLOTTESVILLE	WA4TFZ	224.760	-		☺
DELTAVILLE	AA4HQ	224.900	-		☺
FAIRFAX	WB4YHD	224.100	-		
FANCY GAP	K4DQ	224.880	-	T100.0	
GLOUCESTER	W4GSF	224.620	-		☺
HAMPDEN-SYDNEY	W4JAS	224.200	-		
HAMPTON	WB4PVT	224.540	-	T100.0	☺
HARRISONBURG	N4YET	224.820	-		
HAYMARKET	WD4KHP	224.420	-		
HAYMARKET	WD4KHP	224.720	-		
LAKE GASTON	W4LG	224.600	-		☺
LEESBURG	N0NW	224.020	-		
LOVETTSVILLE	WB4FUJ	224.460	-		
LURAY	KE4JSV	224.360	-		
LYNCHBURG	AB4M	224.280	-		☺
MANASSAS	W4OVH	224.660	-		
MARTINSVILLE	K4RCA	224.500	-		
NORFOLK	KC4JGC	224.740	-	T100.0	
NORTON/HIGH KNB	WD4GSM	224.420	-		
PATRICK SPRINGS	WB8POC	224.420	-	T103.5	☺
PEARISBURG	KQ4Q	224.860	-	107.2	☺
PETERSBURG	K4ARO	224.700	-		
RIDGEWAY	WS4W	224.380	-	T	
ROANOKE	N4CH	224.100	-		☺
ROANOKE/CAHAS MT	AB4EM	224.940	-		
ROANOKE/TINKER	K4YDG	224.900	-		☺
STAUNTON/EL KNOB	KE4CKJ	224.300	-	T131.8	☺
STUART	WB4GUG	224.200	-	T107.2	☺
TYSONS CORNER	KM4OI	224.340	-		
TYSONS CORNER	WD4KHP	224.420	-		
WAYNESBORO	KA4RCL	224.680	-	T131.8	
WINCHESTER	N3HXT	224.220	-		
WOODBRIDGE	W4IY	224.780	-		
WYTHEVILLE	K4YW	224.560	-	PROP	
WYTHEVILLE	N8FWL	224.680	-	PROP	☺

440 MHZ

ABINGDON	KB8KSP	442.975	+	T100.0	☺
ACCOMACK	K4BW	444.300	+	T156.7	☺
ALTAVISTA	WA4ISI	444.425	+	100.0	☺
AMELIA	KB4YKV	443.200	+		
ARLINGTON	KD4DSX	448.625	-		
ARLINGTON	W8HNT	449.325	-		
ARLINGTON	WB4MJF	444.150	+		
ARLINGTON	K4AF	444.550	+		
BASSETT	KF4RMT	442.725	+	PROP	
BEDFORD	N4CH	444.350	+		☺
BEDFRD/APL ORCH	WA1ZMS	442.650	+	T100.0	☺
BEDFRD/APL ORCH	WA1ZMS	443.800	+	T100.0	☺
BELL KNOB	WD4KHP	449.825	-		
BENT MT	K4YD	443.675	+	PROP	
BERRYVILLE	WB2KPH	447.475	-		
BIG A MTN	KB4WTP	444.875	+		☺
BLUEFIELD	W8MOP	442.450	+	PROP	
BLUEFIELD	W8MOP	444.450	+		☺
BLUEFIELD	WZ8E	444.625	+		☺
BLUEFIELD/ONEIDA	WB3T	443.325	+	T103.5	☺
BLUEMONT	WA4TSC	449.925	-		
BLUEMONT	WA4TSC	449.925	-		
BULL RUN MT	WA3KOK	447.775	-		
CHARLOTTESVILLE	KF4UCI	442.075	+	T151.4	☺
CHARLOTTESVILLE	WA4TFZ	444.250	+	T151.4	☺
#CHARLOTTEVILLE	KF4UCI	444.775	+	UNCOR	☺
CHESAPEAKE	W4CAR	444.000	+	T162.2	
CHESTERFIELD	WA3KOK	433.075	+	PROP	
CHESTERFIELD	KD4SUU	442.150	+		
CHESTERFIELD	WA3KOK	442.450	+	PROP	
COPPER RIDGE	KB4WTP	444.550	+	PROP	☺
COVINGTON	WA4PGI	442.250	+	T100.0	☺
DALE CITY	N8BOR	443.100	+		
DANVILE/WHT OAK	K4AU	444.700	+		☺
DANVILLE	KQ4I	443.850	+		☺
ENON	WB4VWR	444.200	+		☺
ENON	W4RDF	444.275	+	T114.8	
FAIRFAX	K4HTA	448.375	-		
FAIRFAX	WD4KHP	449.775	-		
FALLS CHURCH	WB4UNB	447.425	-		
FALLSCHURCH	KF4LWJ	444.300	+		
FANCY GAP	WD4ICX	433.200	+		
FANCY GAP	WB3T	444.050	+	T103.5	☺
FANCY GAP	N4OWU	444.375	+	T107.2	
FANCY GAP	N4XRY	444.900	+		
FANCY GAP	KD4FWS	444.925	+	100.0	
FOREST	AG4AN	442.475	+	PROP	
FOREST	W8CXD	443.600	+	T136.5	☺
FOREST	WD4KQI	444.750	+		☺
FRONT ROYAL	N4MKH	449.225	-		
GASBURG	W4LG	442.000	+		☺
GATE CITY	N4WWB	444.700	+		☺
GLOUCESTER	N4XND	421.250	+		
GRETNA/SMITH MT	KD4TBC	444.075	+	T123.0	
GUM SPRING	KB4MIC	442.800	+		☺
HAMPTON	K4UMI	443.650	+		
HAMPTON	WA4OHX	443.750	+	100.0	
HAMPTON	W4QR	444.550	+	T167.9	☺
HARRISONBURG	N4YET	444.600	+		
HAYMARKET	KT4ER	448.325	-		

SERA REPEATER LISTINGS - BY STATE - BY CITY . . . conclude!

VIRGINIA REPEATERS CONTINUE

HAYMARKET	N3AUY	449.025	-		
HERNDON	N4LXI	443.000	+		
HIGHKNOB	N1TXI	447.725	-		
HILLSVILLE	KB4YFV	442.125	+	T103.5	
INDEPENDENCE	KF4ZIG	443.375	+	T103.5	☺
JONESVILLE	WB4IVB	442.575	+	T100.0	
LEXINGTON	KI4ZR	444.300	+		☺
LEXNGTN/ROCK MT.	KI4ZR	444.150	+		☺
LORTON	WD4KHP	449.725	-		
LYNCHBG/JACK MT.	KF4YI	442.400	+	T107.2	
LYNCHBRG/TOB MT	K4CQ	444.500	+	T136.5	☺
LYNCHBURG	K4CQ	923.250	-		☺
LYNCHBURG	AB4FU	442.950	+	T	
LYNCHBURG	KC4RBA	443.450	+	186.2	☺
LYNCHBURG	W4WWQ	444.550	+	T136.5	☺
LYNCHBURG/T.ROW	N4IFC	442.200	+	T103.5	
MADISON	N8HON	444.400	+		
MANASSAS	W4OVH	442.200	+		
MARION	WB3T	443.125	+	T103.5	☺
MARTINSVILLE	KF4RMT	443.825	+	T107.2	
MEADOWS OF DAN	WG4R	444.250	+	T103.5	☺
NEWPORT	K4TUE	441.950	+	PROP	
NEWPORT NEWS	W4MT	442.900	+	T100.0	☺
NORFOLK	AD4ZK	444.475	+	T127.3	☺
NORFOLK	WD4MIZ	444.675	+	T107.2	☺
OILVILLE	KB4MIC	444.800	+		☺
PATRICK SPRINGS	WB8POC	443.175	+		☺
PATRICK SPRINGS	KC3FB	443.750	+	T77.0	☺
PEARISBURG	N4AZJ	444.975	+	T103.5	☺
PETERSBURG	K4ARO	442.600	+		
PETERSBURG	WB4KZI	443.825	+		
PORTSMOUTH	W4POX	443.800	+		☺
POUND	KF4VDF	444.850	+	PROP	
POWHATAN	KN4YM	443.100	+		☺
PULASKI	KE4CIF	442.775	+	T	☺
PULASKI	W4NRW	444.175	+	PROP	
QUANTICO	N3QEM	447.975	-		
RICHMND/CHLTVL	N4EHJ	444.650	+		☺
RICHMOND	WA4AYB	441.600	+	PROP	☺
RICHMOND	KC4VDZ	442.300	+	T114.8	☺
RICHMOND	W4RAT	442.550	+	T127.3	☺
RICHMOND	AB4SF	444.850	+	T	☺
ROANOKE	K4ARO	442.600	+	T	
ROANOKE	W7CP	442.700	+	T	☺
ROANOKE	WB3T	444.325	+	T103.5	☺
ROANOKE/MILL MT	WD4KZK	442.750	+	T107.2	☺
ROANOKE/POOR MT	N4FHL	439.250	-		
ROANOKE/POOR MT	W4CA	442.500	+		
ROANOKE/POOR MT	KA4IXK	442.850	+		☺
ROANOKE/READ MT	WD4KZK	444.850	+	T107.2	☺
ROANOKE/TINKER M	WB8BON	444.925	+		☺
SILER	WA4RS	449.175	-		
SLINGS GAP	WD4KZK	444.775	+	T107.2	☺
SOUTH BOSTON	KF4AGO	443.925	+		
SOUTH BOSTON	KF4LWH	444.625	+		
SOUTH HILL	KD4MJO	443.525	+	100.0	☺
SPOTSYLVANIA	N2XHZ	447.875	-		
SPOTSYLVANIA	KD4QNA	442.700	+		
SPOTSYLVANIA	K4MQF	442.850	+		
STAFFORD	K4HR	444.450	+		
STAUNTON	WA4ZBP	444.825	+	T131.8	
STAUNTON/EL KNOB	KE4CKJ	444.100	+	T131.8	☺
STERLING	WA4TXE	442.100	+		
STUART	WB4GUG	442.225	+	T107.2	☺
STUARTS DRAFT	KB4OLM	444.050	+		☺
TYSONS CORNER	KA3RQR	447.025	-		
TYSONS CORNER	KM4FI	443.500	+		
VIENNA	N4KOU	444.850	+		
VIRGINIA BEACH	WA4KXV	444.950	+		☺
WAYNESBORO	N3XA	426.250	+		
WHITETOP MT	KM4X	443.000	+	T103.5	☺
WILLIAMSBURG	KB4ZIN	444.100	+		☺
WILLIS	W4DUM	443.875	+		
WINCHESTER	W4RKC	448.775	-	146.2	☺
WINCHESTER	W4RKC	448.775	-		
WINCHESTER	W3CSG	442.000	+		
WOODBRIDGE	W4IY	444.900	+		
WYTHE/WALKER MT	WB3T	442.000	+	T103.5	☺
WYTHEVILLE	WB3T	442.525	+	103.5	☺
YORKTOWN	N3ELM	443.550	+	T100.0	☺

920 MHZ

ALEXANDRIA	WA4CCF	919.600	-		
BEDFRD/APL ORCH	WA1ZMS	921.100	-	T100.0	☺
CULPEPER	KA4DCS	919.400	-		
LYNCHBRG/TOB MT	K4CQ	921.000	-	T100.0	☺
ROANOKE/POOR MT	WD4KZK	919.500	-	107.2	☺
TYSONS CORNER	K6LEW	919.500	-		
WOODBRIDGE	KA4DCS	919.800	-		

1270 MHZ

BEDFRD/APL ORCH	WA1ZMS	1283.100	-	T100.0	☺
ROANOKE/POOR MT	N4CH	1291.020	-		☺

2.4GHz

BEDFRD/APL ORCH	WA1ZMS	2411.600	+		☺

WEST VIRGINIA

10 METERS

BECKLEY	KA8OTX	29.620	-		
BECKLEY	KE4QOX	29.680	-	T88.5	☺
CHARLESTON	WB8CQV	29.640	-	203.5	
RICHWOOD	WA8YWO	29.660	-	T100.0	

6 METERS

ALDERSON	WV8BD	53.190	-		
BECKLEY	N8FWL	53.170	-	T123.0	☺
BECKLEY	WB8YST	53.590	-	T107.2	☺
CEREDO	KC8PFI	53.870	-		
CHARLESTON	WB8YST	53.630	-	T107.2	☺
FLATWOODS	N8CQQ	53.110	-	PROP	
GASSAWAY	AB8WB	53.210	-	T123.0	
LEWISBURG	KC8LRN	53.930	-	T	☺
MARMT/CHARLSTN	N8PEI	53.750	-	T141.3	
RICHWOOD	WB8YST	53.710	-	T107.2	☺
SHIRLEY	KB8TJH	53.310	-		
SNOWSHOE	KC8CSE	53.330	-		☺

2 METERS

AMBER RIDGE	KB8NJH	147.210	+	T107.2	☺
BECKLEY	KC8AFH	146.700	-	123.0	
BECKLEY	N8FWL	147.360	+	T123.0	☺
BECKLEY/BOLT MT	WV8B	145.170	-	T100.0	
BECKLEY/EOC	WV8BD	145.370	-		
BECKLEY/FLAT TOP	WV8BD	146.850	-		
BECKLEY/LAYLAND	N8FCJ	145.310	-	T100.0	
BECKLEY/OAK HILL	N8FWL	145.230	-	T100.0	☺
BERKELEY SPRINGS	KK3L	146.745	-		
BIRCH RIVER	N8FMD	145.270	-	T103.5	☺
BRIDGEPORT	WB8DKM	147.120	+	T	☺
BUCKHANNON	N8FHE	145.410	-		☺
BUCKHANNON	N8ZAR	146.850	-		
BUCKHANNON	N8ZAR	147.060	+	123.0	
CAPON MT	N8YIB	147.435	-		
CHARLESTON	W8GK	145.350	-	91.5	☺
CHARLESTON	WB8YST	145.430	-	T107.2	☺
CHARLESTON	WB8CQV	146.820	-	T192.8	☺
CHARLESTOWN	N8EIV	146.985	-		
CLARKSBURG	N8FMD	146.685	-	T103.5	☺
CLARKSBURG	N8FMD	147.210	+	T103.5	☺
DANVILLE	WB8NAM	146.685	-	T	
DAVIS	KE8MR	147.135	+	T103.5	☺
ELKINS	WJ8G	145.230	-	T103.5	☺
ELKINS	KB8BWZ	146.775	-		
FAIRMONT	W8SP	145.350	-	T103.5	
FENWICK	KD8AB	146.940	-		
FLAT TOP/WINTRPL	WV8B	146.625	-	T100.0	
FLATWOODS	N8ZPX	146.655	-	T123.0	☺
FRANKLIN	W3RUA	147.345	+		☺
FROST	N8RV	145.110	-	107.2	☺
GASSAWAY	WB8MZI	146.610	-		
#GASSAWAY	AB8WB	147.240	+	UNCOR	
GLENVILLE	N8OYY	145.130	-		
GLENVILLE	WB8WV	145.290	-		
GRAFTON	WD8LNB	147.375	+	118.8	☺
HARISVL/PENSBRO	WB8NSL	147.300	+		
HARPER'SFERRY	KB3BOI	145.350	-		
HINTON	KC8CNL	147.255	+	100.0	☺
HUNTINGTON	WB8FEQ	145.210	-	162.2	
HUNTINGTON	W8VA	146.760	-		
HUNTINGTON/CHAS	N8HZ	146.640	-		☺
IAEGER	N8SNW	146.655	-	T203.5	
KEYSER	N8RCG	147.390	+	123.0	☺
#LENORE	KF8HL	145.390	-	UNCOR	
LEON	WD8OHX	147.180	+		
LEWISBURG	WB8SPW	146.730	-	T100.0	
LEWISBURG	N4RAG	146.760	-	T131.8	
LEWISBURG	WV8D	147.390	+	T100.0	
LOGAN SOUTH	NV8H	147.195	+	100.0	
LOGAN/SUMERCO	NU8K	147.345	+		
LOGAN/WRD RK MT	KJ8E	146.970	-		
MADISON	WB8NAM	147.120	+	T	
MARLINTON	N4RAG	147.090	+	131.8	
MARTINSBURG	WA8FSE	145.150	-		
MARTINSBURG	WB8YZV	147.255	+		
MARTINSBURG	K3MAD	147.345	+		
MCMECHEN	N8BQ	146.910	-		☺
MIDDLEBOURNE	WV8TC	147.360	+	T110.9	☺
MOOREFIELD	KD4SZR	145.190	-		
MORGANTOWN	K8LG	145.430	-		
MORGANTOWN	W8CUL	146.760	-		☺
MORGANTOWN	KE8MR	147.075	+	T103.5	☺
MT. ZION	N8LGY	145.450	-	T103.5	☺
MULLENS	KC8IT	147.030	+		
NEW MARTINSVILE	KF8LL	146.985	-		
OAK HILL	NM8T	146.790	-		☺
PARKERSBURG	WV8G	145.490	-		
PARKERSBURG	WA8LLM	147.255	+		☺
PARKERSBURG	WD8CYV	147.390	+	T141.3	
PARKERSBURG (OH)	N8NBL	146.970	-		
PARSONS	K8VNQ	145.370	-	T118.8	☺
PHILIPPI	K8VE	145.150	-	103.5	☺
PINEVILLE	W8LG	147.285	+		
PRINCETON	KA8PNC	147.060	-		☺
PRINCETON	WB8NRK	147.225	+	T114.8	☺
PRINCETON/PIPEST	WD8OGY	146.925	-		
RAVENSWOOD	WD8JNU	146.670	-		☺
RED HOUSE	WV8AR	145.410	-	T123.0	☺
RICHWOOD	WB8YJJ	145.190	-	T	
RICHWOOD	AA8TH	147.015	+	T	
RICHWOOD	KB8YDG	147.150	+	T100.0	☺
ROCKPORT	KC8TLG	147.135	+	T123.0	
SALT ROCK	K8SA	145.110	-	T110.9	
SCOTT DEPOT	WV8AR	147.270	+	123.0	☺
SHIRLEY	KB8TJH	145.310	-	T	
SKYLINE	K7SOB	147.360	+	T127.3	
SMITHERS	NM8T	147.075	-		☺
SO. CHARLESTON	WB8CQV	146.880	-	203.5	
SPENCER	KA8AUW	147.105	+	100.0	☺
SPRUCE KNOB	N8HON	147.285	+		☺
ST ALBANS	K8WMX	147.000	-		☺
ST.MARYS/BENS RG	WB8ECC	147.030	+		
SUMMERSVILLE	W8FG	145.470	-	100.0	
TERRA ALTA	KD8ZR	147.000	+	T	☺
UNION	W8IFL	145.410	-		
WEIRTON	W8CWO	146.940	-		
WELCH	K8KRS	145.450	-		☺
WESTON	WD8EOM	145.390	-		
WESTON	KA8TCF	147.165	+		☺
WHEELING	KA8YEZ	145.190	-	156.7	☺
WHEELING	W8ZQ	146.760	-		☺
WILLIAMSON	WR8M	145.330	-	T100.0	☺

220 MHZ

ANSTED	N8FWL	224.840	-	123.0	☺
BECKLEY	N8FWL	224.240	-	T123.0	☺
BECKLEY - SOUTH	N8FWL	224.740	-	PROP	☺
BECKLEY - WEST	N8FWL	224.540	-	123.0	☺
BECKLEY/OAK HILL	N8FWL	224.340	-	T123.0	☺
BERKELEY SPRINGS	KA3VLG	224.700	-		
CHARLESTON	WB8YST	224.360	-	107.2	☺
CHARLESTON	WS8L	224.700	-	PROP	
FLAT TOP/WINTRPL	WV8B	224.120	-	100.0	
HILLSBORO	KC8LRN	224.220	-	T131.8	☺
HINTON/BECKLEY	N8FWL	224.640	-		☺
#LEON	WD8OHX	223.780	-	UNCOR	
LEWISBURG	KC8LRN	224.800	-	T	☺
WILLIAMSON	WR8M	224.140	-		☺

440 MHZ

ALDERSON/SAM BLK	N8LVE	444.400	+	T100.0	
BECKLEY	N8FWL	443.050	+	T123.0	☺
BECKLEY	N8LVE	444.125	+	T	
BECKLEY/BOLT	W8LG	443.225	+		
BECKLEY/OAK HILL	WV8B	444.800	+	100.0	
BECKLY/OAK HILL	KE4QOX	443.100	+	T107.2	☺
BELINGTON	N8SCS	444.900	+	141.3	☺
BERKELEY SPRINGS	WA3KOK	442.450	+		
BLUEFIELD	WZ8E	443.625	+	100.0	☺
BUCKHANNON	N8ZAR	444.250	+		
CEREDO	KC8PFI	443.600	+		
CHARLESTON	KB8QKM	442.925	+	71.9	
CHARLESTON	WS8L	443.300	+	PROP	
CHARLESTON	WV8AR	444.225	+	T123.0	☺
CHARLESTON	WB8YST	444.350	+	T107.2	☺
CLARKSBURG	N8FMD	444.175	+	T103.5	☺
DANS MT	N8YIB	145.330	+		
DUNMORE	KC8CSE	444.275	+	123.0	☺
FAIRMONT	W8SP	443.875	+		
FLATWOODS	N8ZVK	444.200	+		☺
GASSAWAY	AB8WB	444.675	+	T123.0	
GILBERT	KB8PCW	442.725	+	T	
GLENVILLE	KA8ZXP	444.325	+		
HERNSHAW	WB8CQV	444.700	+	203.5	
HUNTINGTON	WA4GSS	421.250	+		
HUNTINGTON	N8HZ	443.000	+		☺
HUNTINGTON	KB8TGK	443.850	+	T88.5	
HUNTINGTON/CHAS	WB8ZER	444.850	+	T131.8	☺
HURRICANE	K8OJC	444.075	+		
KEYSER	N8RCG	444.125	+	103.5	☺
LEWISBURG	KF8FO	444.725	+	T103.5	
LOGAN	KE4QOX	444.900	+	T107.2	☺
MORGANTOWN	K8LG	444.700	+		
MORGANTOWN	W8CUL	444.800	+		☺
MULLENS	KC8IT	444.000	+		
OAK HILL	KA8OTX	443.800	+		
PARKERSBURG (OH)	N8ILO	444.100	+		
PENNSBORO	WB8NSL	442.850	+	T103.5	
PRINCETON	KB8UJG	443.700	+	T123.0	
RICHWOOD	KC8SDN	443.375	+	T123.0	
RICHWOOD	KB8YDD	443.475	+		
RICHWOOD	KC8AUY	443.575	+	T	☺
SHIRLEY	KB8TJH	444.425	+	T	
SO. CHARLESTON	WB8CQV	444.950	+	203.5	
ST. ALBANS	K8MHR	443.150	+		
WELCH	N8SNY	443.725	+		☺
WESTON	N8FIP	443.975	+		
WESTON	KA8TCF	444.600	+		☺
WHEELING	KB8QHO	421.250	+		
WHEELING	KA8YEZ	443.025	+	77.0HZ	☺
WHEELING	N8EKT	444.975	+		

SERA REPEATER INDEX LISTINGS BY FREQUENCY

PLEASE NOTE: CTCSS Tone Frequencies are listed for repeaters only if the repeater sponsors request they be listed. Tone access listing does not indicate a closed repeater.

2 METERS

144.6100 / 52.5250			
N4ARK	NASHVILLE		TN
144.5100 / 145.1100			
KK4HL	AUGUSTA		GA
N4MXC	COCHRAN	107.2	GA
KR4HV	DOUGLASVILLE	88.5	GA
KC4UPE	LEESBURG	192.8	KY
KD5AXY	FLORENCE		MS
W5WA	VANCLEAVE	123.0	MS
W4PCN	KILL DEVIL HILLS	131.8	NC
N4GSM	ROBBINSVILLE	151.4	NC
KD4MYE	YOUNGSVILLE	88.5	NC
WZ4SC	FORT MILL		SC
W4GS	MYR BCH/CONWAY		SC
NQ4Y	COOKEVILLE		TN
WM4T	GRAY		TN
N4ARK	NASHVL/FAIRVIEW	151.4	TN
KF4OID	SOMERVILLE	107.2	TN
K4YPE	RICHMOND		VA
N8RV	FROST	107.2	WV
K8SA	SALT ROCK	110.9	WV
144.5300 / 145.1300			
K4SEX	BGMRC/NEWMAN		GA
WR4SG	VALDOSTA	141.3	GA
N4UL	LOUISVILLE AREA	151.4	KY
KJ4VF	MOREHEAD	100.0	KY
WB4YNF	AHOSKIE		NC
N4VL	MT. AIRY	103.5	NC
W4RNC	RALEIGH	88.5	NC
W4JAK	GREENWOOD	123.0	SC
K4JR	SUMTER		SC
K4CMY	CHATTANOOGA		TN
KA4OAK	LAFOLLETTE		TN
KF4ATY	MEMPHIS	107.2	TN
KC4WPS	NASHVILLE	114.8	TN
N8OYY	GLENVILLE		WV
144.5500 / 145.1500			
W4AQL	ATLANTA	167.9	GA
K4TWG	BACONTON		GA
K4YC	IVEY/MACON	77.0	GA
KG4CCW	LOUISVILLE	141.3	KY
KY4JW	MONTICELLO		KY
AD4BI	PIKEVILLE	107.2	KY
K5LFP	#PICAYUNE		MS
K2IMO	ELM CITY	88.5	NC
W4GSO	GREENSBORO	100.0	NC
K4OBX	HATTERAS ISLAND	131.8	NC
W4NHV	#LUMBERTON		NC
N4LWY	SUMMERTON		SC
K4USC	UNION		SC
KG4FZR	ATHENS	141.3	TN
W4XS	FRANKLIN		TN
K0JXI	MEMPHIS		TN
K4ARO	GREENBAY		VA
N3ZE	RADFORD/RINER		VA
K8VE	PHILIPPI	103.5	WV
144.5700 / 145.1700			
WA4DIW	JONESBORO		GA
W8PRH	HALLS GAP		KY
K4CCR	ANDSN MT/DENVER	88.5	NC
N4CTJ	LELAND		NC
N4NCK	OXFORD		NC
KY4S	AIKEN		SC
K4NOC	BISHOPVILLE	123.0	SC
WF4Q	BRUCETON	107.2	TN
WB4GBI	KNOXVILLE		TN
WB4LHO	MURFREESBORO		TN
WA4ZUA	NORFOLK	136.5	VA
WV8B	BECKLEY/BOLT MT	100.0	WV
144.5900 / 145.1900			
WA4EQL	JESUP		GA
WB4ULJ	PINE MT/HAMILTON		GA
KB4SQI	SALYERSVILLE	127.3	KY
K5YD	BOONEVILLE	110.9	MS
W5CJR	HATTIESBURG	136.5	MS
KA4SQN	JACKSONVILLE		NC
WA4BVW	MT MITCHELL		NC
K4GWH	RALEIGH	156.7	NC
N4OTT	CARTHAGE		TN
KD4XV	JASPER	127.3	TN
WB3R	AMELIA		VA
WB8YJJ	RICHWOOD		WV
KA8YEZ	WHEELING	156.7	WV
144.6100 / 145.2100			
KC4RRO	EASTMAN		GA
WA4EPK	FAYETTEVILLE	131.8	GA
W8PRH	LEXINGTN/GRGTWN		KY
KB5IKR	MENDENHALL	100.0	MS
K4OLC	HIGH PEAK MTN	94.8	NC
WB4TQD	TRENTON		NC
KG4LAP	SMOAKS		SC
W2GLJ	GERMANTOWN		TN
W4BBB	KNOXVILLE/RACK	100.0	TN
N4ARK	NASHVILLE		TN
K4QZJ	HIGH KNOB MT		VA
N2EDE	ROANOKE	107.2	VA
WB8FEQ	HUNTINGTON	162.2	WV
144.6300 / 145.2300			
WB4JEH	CONYERS	151.4	GA
WR4SG	CORDELE	141.3	GA
W4DRC	DALTON		GA
K4BR	WAYNESBORO		GA
W8PRH	LOUISVILLE		KY
W4KBL	PRINCETON	103.5	KY
KG4GQC	WEST LIBERTY	107.2	KY
KC5VZI	#NEW ALBANY		MS
N4VBH	BEULAVILLE		NC
W4UNC	CHAPEL HILL	107.2	NC
W4BFB	CHARLOTTE		NC
KG4AQH	GREELEYVILLE		SC
W4CAT	LAVERNE		TN
KB4KIE	MAYNARDVILLE		TN
KE4NTL	RIPLEY	100.0	TN
N4CH	BEDFORD		VA
W4MT	NEWPORT NEWS	100.0	VA
N8FWL	BECKLEY/OAK HILL	100.0	WV
WJ8G	ELKINS	103.5	WV
144.6500 / 145.2500			
N4YYD	CHATSWORTH	71.9	GA
K4YC	IVEY		GA
AD4YJ	LEXINGTON	110.9	KY
W4GG	GREENSBORO	88.5	NC
WA4USN	CHARLESTON	123.0	SC
K4USC	UNION		SC
KT4WS	CARLISLE		TN
N4WXS	ERWIN/PINNACLE		TN
N4ER	MEMPHIS	146.2	TN
KD8XK	BLUEFIELD	100.0	VA
KQ4RH	MONTPELIER		VA
144.6700 / 145.2700			
KT4X	SANDERSVILLE	77.0	GA
K4PLM	WALESKA/PNLG MT	103.5	GA
N4KJU	PAINTSVILLE		KY
KD4BOH	ROCKPORT	77.0	KY
N5NBG	WALLS	162.2	MS
KB5DZJ	WIGGINS	136.5	MS
K4ROK	FARMVILLE	131.8	NC
WA4KNI	HENDSVL/BERWLW		NC
N5CWH	COLUMBIA	127.3	SC
KD4CLA	PIGEON FORGE	100.0	TN
N8FMD	BIRCH RIVER	103.5	WV
144.6900 / 145.2900			
W4IBM	ATLANTA	88.5	GA
W4DV	AUGUSTA	100.0	GA
WR4MG	PERRY	107.2	GA
AC2DC	LOUISVILLE	151.4	KY
N4VOS	STANTON		KY
WJ5L	VICKSBURG		MS
W4BFB	CHARLOTTE		NC
WN3X	COINJOCK	131.8	NC
NC4AR	HIGH POINT	88.5	NC
WA4WPD	NASHVILLE	107.2	NC
W4GS	MYRTLE BEACH	85.4	SC
KU4ZS	PUMPKINTOWN	123.0	SC
W4AM	CHATTANOOGA	118.8	TN
KF4ZQA	ELIZTON/HOLS MT	100.0	TN
K4DXC	RIDGETOP	114.8	TN
WF4Q	SHILOH	107.2	TN
N4UTN	RUSTBURG		VA
WB8WV	GLENVILLE		WV
144.7100 / 145.3100			
W4FIZ	COLUMBUS		GA
KB4JF	NASHVILLE	141.3	GA
WA4JDR	STOCKBRIDGE		GA
KC4KZT	DAVID		KY
WB5GOJ	CHATAWA		MS
KC4WPM	BAKERSVILLE		NC
N4LEX	LEXINGTON	88.5	NC
N4WFU	#ROANOKE RAPIDS	131.8	NC
K4ITL	ROSEBORO		NC
W4IAR	BEAUFORT		SC
W4CHR	CHESTER		SC
WA4PNI	ATHENS	141.3	TN
KF4SC	JACKSON		TN
KC4ECD	LAFAYETTE	151.4	TN
KD4KWP	CHESTERFIELD	127.3	VA
N8FCJ	BECKLEY/LAYLAND	100.0	WV
KB8TJH	SHIRLEY		WV
144.7300 / 145.3300			
KF4ODQ	EASTMAN	77.0	GA
WA4OGE	JONESBORO		GA
N4XGI	ST SIMONS ISLAND	131.8	GA
KF4INN	VERSAILLES		KY
K5DMC	KILN		MS
KI4RK	GOLDSBORO	100.0	NC
N4VRD	MOUNT AIRY	100.0	NC
KF4JVI	TRYON		NC
WA4DFP	BAMBERG		SC
WT4E	COLLIERVILLE	107.2	TN
WD4DBJ	CUMBERLAND CITY		TN
WA4TEM	KNOXVILLE		TN
KE4ZBH	FARMVILLE		VA
W4VB	NORFOLK		VA
WR8M	WILLIAMSON	100.0	WV
144.7500 / 145.3500			
W4DOC	ATLANTA	146.2	GA
W4GTA	LOOKOUT MT	100.0	GA
KD4MFS	OCILLA		GA
AI4HB	RADCLIFF	173.8	KY
N4DRL	BYHALIA		MS
N5ZMZ	UTICA		MS
WA4AOS	CHARLOTTE		NC
WD4JPQ	GREENVILLE	131.8	NC
KE4OVN	DRESDEN	107.2	TN
WD4JYD	NOLENSVILLE	114.8	TN
KB4PNG	ONEIDA	77.0	TN
N4AZJ	BLAND	103.5	VA
KF4LWH	SOUTH BOSTON		VA
W8GK	CHARLESTON	91.5	WV
W8SP	FAIRMONT	103.5	WV
144.7700 / 145.3700			
AA4UA	AUGUSTA		GA
KB4IZF	JASPER	100.0	GA
W4BKM	MACON		GA
KE4YVD	RICHMOND	192.8	KY
K5IJX	HATTIESBURG	136.5	MS
N5PYQ	SOUTHAVEN	107.2	MS
N4NCK	BUTNER		NC
W4HF	N. WILKESBORO		NC
K4PPD	SHALLOTTE		NC
KB4KIE	KNOXVILLE		TN
WR3S	NASHVILLE		TN
W4HZL	GLOUCESTER		VA
KC4RBA	LYNCHBURG	186.2	VA
WV8BD	BECKLEY/EOC		WV
K8VNQ	PARSONS	118.8	WV
144.7900 / 145.3900			
K4HYB	GRIFFIN	88.5	GA
WF4N	#CENTRAL CITY		KY
N4EQT	LAWRENCEBURG	107.2	KY
KC8FKP	SO. PORTSMOUTH	136.5	KY
KB5KGE	JACKSON		MS
N4ZVN	MONROE/UCARS	94.8	NC
WB4TQD	RALEIGH	82.5	NC
W4AM	CHATTANOOGA		TN
W4WC	GREENEVILLE		TN
WB4DOR	LEBANON		TN
K4ARO	ROANOKE/POOR MT	107.2	VA
KF8HL	#LENORE		WV
WD8EOM	WESTON		WV
144.8100 / 145.4100			
W4PME	ATLANTA/BELL	100.0	GA
K4KNS	AUGUSTA		GA
WA4MXO	JACKSON		KY
KK4CZ	LOUISVILLE	127.3	KY
KC5IF	D'IBERVILLE		MS
N4XO	CHINA GROVE	136.5	NC
K4SER	WILLIAMSTON	131.8	NC
WA4USN	CHARLESTON AR		SC
N4VIH	DOVER		TN
K4MFD	GRNVL/VIKING MT	173.8	TN
K5FE	MEMPHIS	107.2	TN
NQ4Y	MONTEAGLE MTN	114.8	TN
KF4ADM	WILLIAMSBURG	127.3	VA
N8FHE	BUCKHANNON		WV
WV8AR	RED HOUSE	123.0	WV
W8IFL	UNION		WV
144.8300 / 145.4300			
K4LCI	ATLANTA		GA
WA9RNZ	JESUP		GA
AA4RI	MACON		GA
KX5E	GLOSTER	136.5	MS
KU4W	RAEFORD	100.0	NC
K4QFQ	SPARTA/GREEN MT		NC
K4JR	SUMTER	156.7	SC
KB4YTU	BROWNSVILLE		TN
WF4Q	BUCKSNORT	107.2	TN
WA4UCE	COOKEVILLE		TN
WB4YLC	KNOXVILLE		TN
AD4OV	COEBURN	103.5	VA
W4SQT	RICHMOND		VA
WB8YST	CHARLESTON	107.2	WV
K8LG	MORGANTOWN		WV
144.8500 / 145.4500			
W4BOC	DECATUR		GA
KG4FEJ	ROCKFIELD	136.5	KY
WX5P	FULTON		MS
N5ZQC	SHARON	100.0	MS
WD4PLY	CRDR MT/GASTONIA		NC
WR4AGC	DURHAM		NC
K4GRW	NEWPORT		NC
WD4EOG	CLEMSON UNIV		SC
N7GZT	MT. PLEASANT		SC
W4ZKM	SAVANNAH RIVER	123.0	SC
K4SIR	BENTON		TN
WA4KOG	MEMPHIS		TN
KQ4E	MORRISTOWN		TN
KF4GHD	#MT PLEASANT	127.3	TN
AA4HQ	SALUDA		VA
KD4KAU	STAUNTON	131.8	VA
N8LGY	MT. ZION	103.5	WV
K8KRS	WELCH		WV
144.8700 / 145.4700			
KD4HMH	BONAIRE		GA
KF4UM	RICEBORO		GA
N4CLA	SWEAT MT/MARIETT		GA
WB4GGH	BARDSTWN/NELSN	151.4	KY
KF4ZTB	HUEYSVILLE	79.7	KY
KF4BRO	MAYSVILLE	107.2	KY
WB5VYH	ABBEVILLE	107.2	MS
W4OIX	KINSTON		NC
W4NC	SAURATOWN MT	100	NC
KN4RG	GAFFNEY	141.3	SC
KI4CB	MYR BCH/CONWAY		SC
WB4GBI	KNOXVILLE		TN
KF4RBR	MOUNTAIN CITY	103.5	TN
N4ARK	NASHVILLE		TN
N4ZCM	SOUTH HILL		VA
W8FG	SUMMERSVILLE	100.0	WV
144.8900 / 145.4900			
W4DV	AUGUSTA		GA
KA4WUJ	CORDELE	103.5	GA
W4LMA	MARIETTA	88.5	GA
W4KVK	HENDERSON		KY
WB4CWF	LEXINGTON		KY
N5VGK	TUPELO		MS
NT4K	FRANKLIN		NC
WB4IKY	GIBSONVILLE	107.2	NC
W4BWC	RALEIGH	82.5	NC
W4APE	CHERAW		SC
WA4KOG	BRADEN		TN
WB4LHO	MCMINVL/SHT MT		TN
K4CQ	AMHERST	136.5	VA
W8MOP	BLUEFIELD		VA
WA4OHX	HAMPTON		VA
WV8G	PARKERSBURG		WV
146.0100 / 146.6100			
W4CVY	COLUMBUS		GA
WB4JEH	CONYERS	151.4	GA
WD4KWV	CORBIN		KY
KC4FRA	MADISONVILLE		KY
W5LAR	LAUREL		MS
W4EWN	NEW BERN	100.0	NC
WB4TOP	RALEIGH	131.8	NC
KF4QDS	THOMASVILLE	123.0	NC
KC4WIF	ELLOREE	118.8	SC
W4NYK	GRNVLE/CSRS HD		SC
W4AM	CHATTANOOGA		TN
WA4PCD	NASHVILLE		TN
K4JP	ABINGDN/BRMLY MT		VA
WA4YSE	CHESAPEAKE		VA
W4WWQ	LYNCHBURG	136.5	VA
WB8MZI	GASSAWAY		WV
146.0250 / 146.6250			
WA4UPE	ATL/UNION CITY	100.0	GA
N4UJT	ELBERTON		GA
K4HAO	VIDALIA		GA
WA4GOZ	BOWLING GREEN	103.5	KY
K4ULW	WEBSTER	151.4	KY
KC5ULN	COLUMBUS		MS
KE5WO	PORT GIBSON		MS
K4USB	BUXTON	131.8	NC
KI4RR	LAURINBURG		NC
KF4SXO	CHESTER		SC
WB4VXX	CORNERSVILLE	107.2	TN
WB4GBI	KNOXVILLE	100.0	TN
N4ABU	MARTIN		TN
K4SVA	JARRATT I-95	100.0	VA
WV8B	FLAT TOP/WINTRPL	100.0	WV
146.0400 / 146.6400			
WB4QGR	#ATLANTA		GA
W4FWD	CARROLLTON	131.8	GA
AE4PO	WAYCROSS	141.3	GA
WA4UXJ	CANE VALLEY		KY
K5XU	MADISON		MS
WB5NAY	MOOREVILLE		MS
WB4YAO	HENDERSONVILLE	100.0	NC
W4DW	RALEIGH		NC
W4NC	WINSTON-SALEM	100.0	NC
W4GL	SUMTER		SC
KA4QYI	HARRIMAN	100.0	TN
WB4KQQ	MEMPHIS		TN
AF4TZ	NASHVILLE	114.8	TN
W4WIC	FINCASTLE		VA
N4QLF	MARION	103.5	VA
WB4QEY	RICHMOND		VA
N8HZ	HUNTINGTON/CHAS		WV
146.0550 / 146.6550			
N4NFP	ATLANTA/MARIETTA	151.4	GA
W4WSM	BOWLING GREEN-SO		KY
WD4DZC	DANVILLE		KY
K4CUW	PADUCAH		KY
KC5ZZH	MERIDIAN		MS
K4CEB	#CONCORD/KANNAP.		NC
WA4VTX	ELIZABETH CITY	131.8	NC
KD4KOJ	BEAUFORT		SC
N5CWH	GILBERT	162.2	SC
KD4AOK	BROWNSVILLE		TN
W4RDM	LAWRENCEBURG		TN
W4OLB	MARYVILLE/ALCOA		TN
WA4ISI	ALTAVISTA		VA
N8ZPX	FLATWOODS	123.0	WV
N8SNW	IAEGER	203.5	WV
146.0700 / 146.6700			
W4ABP	GAINESVILLE	131.8	GA
KF4SJO	HAZARD		KY
W4KBL	PRINCETON		KY
W5UBG	NEW ALBANY		MS
KB5ZCX	PURVIS		MS
K4FHB	BURLINGTON		NC
WA4BKU	#FOREST CITY		NC
AD4DN	WILMINGTON	88.5	NC
AD4U	ST. MATTHEWS	156.7	SC
W4UD	BRISTOL		TN
K4BGW	LAFOLLETTE		TN
AF4TZ	NASHVILLE	114.8	TN
W4CBM	DUBLIN		VA
KD4DDI	PAGECO		VA
K4RC	WILLIAMSBURG		VA
WD8JNU	RAVENSWOOD		WV
146.0850 / 146.6850			
K4NGA	ADAIRSVILLE		GA
WA4EPK	DARIEN		GA
K4KZY	FAYETTEVILLE		GA
KF4NTQ	GEORGETOWN	107.2	KY
N4WJS	OWENSBORO	110.9	KY
W5KHB	NATCHEZ		MS
W4NBR	GRIFTON	88.5	NC
KE4WSX	STATESVILLE		NC
K4USC	UNION		SC
KF4ARH	WALLAND	88.5	TN
WA1ZMS	BEDFRD/APL ORCH	100.0	VA
N8FMD	CLARKSBURG	103.5	WV
WB8NAM	DANVILLE		WV
146.1000 / 146.7000			
W4MM	#ALBANY		GA
K4UFO	JASPER		GA
KD4BWK	LAGRANGE	141.3	GA
WB4DOJ	MILLEDGEVILLE	67.0	GA
K4NLX	SAVANNAH		GA
KY4KY	BROOKS	151.4	KY
KD4DZE	GRAYSON	107.2	KY
WB4FUR	BAY ST. LOUIS		MS
W5LV	GRENADA		MS
W5FQ	MERIDIAN		MS
KD4GLB	CROSSNORE	167.9	NC

SERA REPEATER INDEX LISTINGS BY FREQUENCY - Continues

N4CID	DUNN		NC
W4PAX	LANCASTER		SC
WT4F	PICKENS	107.2	SC
KF4BVQ	ANDERSON CTY	100.0	TN
W4UOT	MANCHESTER	114.8	TN
WB4MMI	RAMER	107.2	TN
WA4YGM	UNION CITY		TN
K4AU	DANVILE/WHT OAK	107.2	VA
KF8PT	NORFOLK		VA
KD4WWF	STAUNTON	131.8	VA
KC8AFH	BECKLEY	123.0	WV
146.1100 / 146.7100			
KF4FO	HOPKINSVILLE		KY
146.1150 / 146.7150			
K4NVG	LAVONIA	100.0	GA
W4ABZ	RINGGOLD	67.0	GA
KF4OFT	BEREA	100.0	KY
KA5TQY	GREENWOOD		MS
KD4JFN	HAW RIVER	107.2	NC
N4GGN	MILLERS CREEK		NC
WB4NEP	COLUMBIA		SC
KB4JUB	SALTILLO		TN
W9KIC	BLACKSBURG		VA
W4TTL	WALKERTON		VA
146.1300 / 146.7300			
W4MM	ALBANY		GA
KD4NC	ATLANTA/SWEAT MT		GA
K4TVE	BRUNSWICK		GA
WR4DH	MACON	100.0	GA
AC4AO	LEXINGTON		KY
AA4NI	#NEBO		KY
KC5IF	BILOXI		MS
KD5GVU	STARKVILLE	210.7	MS
KC5TGT	UTICA	77.0	MS
W4BWC	RALEIGH	82.5	NC
W4EXU	SALISBURY	94.8	NC
W4VNK	WILMINGTON		NC
K4NAB	N. AUGUSTA		SC
WA4UKX	SIMPSONVILLE	100.0	SC
WB4IOB	KNXVL/ENG MT		TN
KE4LFZ	MEMPHIS	107.2	TN
K4EHL	WATERTOWN	100.0	TN
W4QR	HAMPTON		VA
WB8SPW	LEWISBURG	100.0	WV
146.1450 / 146.7450			
KD4QHB	ATHENS		GA
K4WOC	CALHOUN	100.0	GA
AF4VH	SPRINGFIELD	97.4	GA
WA4TTC	GREENVILLE		KY
KD4RTR	MILLARD	141.3	KY
KC5VZI	#NEW ALBANY		MS
KC4QPR	MORGANTON	94.8	NC
NN4N	DILLON/PEE DEE		SC
W4MV	DYERSBURG		TN
KC4WHL	HARRIMAN		TN
AA4YQ	WARTBURG		TN
K4ROA	ROANOKE/POOR MT	107.2	VA
146.1600 / 146.7600			
W4RRG	LOOKOUT MT.	67.0	GA
W4BOC	STONE MT	107.2	GA
WR4MG	UNADILLA	107.2	GA
KF4BJM	VALDOSTA	141.3	GA
K4KJQ	LEXINGTON		KY
KD4DVI	PADUCAH		KY
W5AXQ	JACKSON		MS
WA4BVW	ASHVL/MT PISGAH		NC
K4GWH	GREENSBORO	88.5	NC
KB2XI	SWANSBORO		NC
WB4THL	WILSON	131.8	NC
K4ESG	MT PLEASANT		SC
K4JP	BRSTL/HOLSTN MT		TN
WA4PCD	NASHVILLE	114.8	TN
WA4TFZ	CHARLOTTESVILLE	88.5	VA
KB4ZIN	WILLIAMSBURG		VA
W8VA	HUNTINGTON		WV
N4RAG	LEWISBURG	131.8	WV
W8CUL	MORGANTOWN		WV
W8ZQ	WHEELING		WV
146.1750 / 146.7750			
N4NEQ	MARIETTA	151.4	GA
KB4NA	WRENS		GA
W4PPM	MIDDLESBORO		KY
KJ4OG	TOMPKINSVILLE		KY
AE4SK	VANCEBURG		KY
K5PN	HATTIESBURG	136.5	MS
NC4SU	RALEIGH	88.5	NC
W4ZU	SOUTHPORT	100.0	NC
KF4GHC	FORT JACKSON	156.7	SC
WF4Q	FRUITLAND	107.2	TN
W4JVO	PULASKI/MUSIC MT		TN
AG4AN	FOREST	131.8	VA
WB3T	WYTHEVILLE	107.2	VA
KB8BWZ	ELKINS		WV
146.1900 / 146.7900			
KD4GEY	FOLKSTON		GA
WD4KOW	MOULTRIE		GA
K4SEX	NEWNAN		GA
K4VYX	SWAINSBORO		GA
W4YWH	HIGHLAND HEIGHTS	123.0	KY
KA4UHL	NANCY	100.0	KY
K5TYP	BILOXI		MS
W4TLP	CLINTON		NC
KG4ASL	SAURATOWN MT	107.2	NC
N4AW	ANDERSON/SAS MT		SC
WA4USN	CHARLESTON		SC
W4AM	CHATTANOOGA		TN
W4ABR	JOHNSON CITY		TN
W4KIB	MEMPHIS	107.2	TN
W4SQE	NASHVILLE		TN
N4SD	CHESAPEAKE		VA
NM8T	OAK HILL		WV
146.2050 / 146.8050			
K4PDQ	MACON	77.0	GA
KA4NNE	ELKTON	151.4	KY
W8PRH	HAZARD		KY
KF5C	STARKVILLE	192.8	MS
K5IMT	#VICKSBURG		MS
K4GNC	GASTONIA/CRWDR		NC
W4DCG	ROCKY MOUNT	118.8	NC
KF4ATU	ORANGEBURG	156.7	SC
KF4TNP	#CORNERSVILLE		TN
W4EYJ	CROSSVILLE	131.8	TN
WB4MMI	SELMER	107.2	TN
WA4HTI	COVINGTON		VA
W4TTL	MECHANICSVILLE		VA
147.4050 / 146.8050			
KC4AQS	JASPER	100.0	GA
W4DJB	CANTON		NC
KD4TC	BIG "A" MTN	103.5	VA
146.2200 / 146.8200			
W4MM	ALBANY		GA
W4DOC	ATLANTA	146.2	GA
K4HVK	KIBBEE		GA
KF4DKJ	DRAKESBORO		KY
W4CMR	IRVINE	192.8	KY
K5HYE	MAGEE	100.0	MS
WB4PZA	WILKESBORO		NC
K4GMP	WILMINGTON	88.5	NC
KT4NZ	CAMDEN	131.8	SC
W4NYK	GRNVLE/PARIS MT		SC
WB4OAH	LAKE CITY		TN
W4BS	MEMPHIS		TN
KB4PNG	#ONEIDA		TN
W4UOT	WINCHESTER		TN
W4CAR	CHESAPEAKE	162.2	VA
N4WWB	GATE CITY		VA
WB8CQV	CHARLESTON	192.8	WV
W4RKC	WINCHESTER, VA		ZZ
146.2350 / 146.8350			
KC4GSS	THOMSON		GA
KC4ZOX	SALVISA	192.8	KY
WB4PLA	#ASHEVILLE		NC
KB4TOH	COLUMBIA	131.8	NC
W4USH	WADESBORO		NC
KT4YW	CHARLESTON		SC
KB4YTM	HUNTINGDON		TN
W4LYR	WATERTOWN	100.0	TN
KK4EH	GRUNDY/BIG A MT		VA
N4UTN	RUSTBURG/LONG MT	173.8	VA
147.4350 / 146.8350			
N4KHQ	DAHLONEGA	100.0	GA
W4KMU	#HOPE MILLS		NC
KB4BPV	THOMASVILLE	88.5	NC
146.2500 / 146.8500			
W4RPO	DALLAS		GA
K4SDJ	SAVANNAH		GA
WA4ORT	WARNER ROBINS		GA
KM4IV	PIKEVILLE		KY
K5JMD	BUDE	103.5	MS
WB5MFK	IUKA		MS
W5LWC	KOSCIUSKO		MS
K4CYP	GOLDSBORO		NC
WA4DSZ	HICKORY/BRT. MT		NC
N4IV	REIDSVILLE	103.5	NC
W4ULH	FLORENCE		SC
WA4KJH	GTLBG/COVE MTN	127.3	TN
WA4KOG	MEMPHIS		TN
W4AY	NASHVILLE	114.8	TN
W4POX	PORTSMOUTH		VA
WA4ZBP	STAUNTON	131.8	VA
WV8BD	BECKLEY/FLAT TOP		WV
N8ZAR	BUCKHANNON		WV
146.2650 / 146.8650			
N4ZON	JESUP	123.0	GA
WB4DKY	MADISON	179.9	GA
AD4MU	OWENSBORO		KY
KG4AEU	RICHMOND	192.8	KY
KD4HLH	LAURENS	107.2	SC
KF4DPU	CROSSVILLE		TN
KN4KP	TRENTON		TN
KF4VDF	NORTON	103.5	VA
147.4650 / 146.8650			
N5DWU	ELLISVILLE	136.5	MS
KB4YSX	MURPHY/STALCUP	151.4	NC
WA4ZRS	WAXHAW	94.8	NC
WZ8E	MOUNTAIN LAKE	110.9	VA
146.2800 / 146.8800			
W4CVY	COLUMBUS		GA
W4BTI	MARIETTA/ATLANTA	100.0	GA
WA4NKL	QUITMAN		GA
W4HBB	SAVANNAH		GA
W4PF	LOUISVILLE		KY
KA4UHL	SOMERSET	77.0	KY
K5QNE	JACKSON	100.0	MS
KE5SJ	PASCAGOULA		MS
WB4TQD	RALEIGH		NC
W4NYR	SHELBY		NC
N7GZT	ORANGEBURG		SC
WD4CYZ	BRISTOL		TN
WA4KOG	MEMPHIS		TN
WA4PCD	NASHVILLE		TN
W4SKH	OAK RIDGE		TN
W4RAT	RICHMOND		VA
WA4V	SALEM		VA
WB8CQV	SO. CHARLESTON	203.5	WV
146.2950 / 146.8950			
N4VNI	HARTWELL	100.0	GA
WR4MG	HAWKINSVILLE	107.2	GA
N3SM	MACON	123.0	GA
K4JBV	FLORENCE	100.0	KY
KA4BLZ	LYNN GROVE	210.7	KY
W4APE	PAGELAND		SC
KF4HNV	CROSSVILLE	118.8	TN
WD4EGD	DANDRIDGE		TN
WA4KXV	VIRGINIA BEACH		VA
WB3T	WYTH/WALKER MT	103.5	VA
147.4950 / 146.8950			
WD4LUQ	DALLAS	77.0	GA
KC4KZT	DORTON	141.3	KY
N5DWU	ELLISVILLE	136.5	MS
146.3000 / 146.9000			
WB4WVH	IRVINGTON		KY
146.3100 / 146.9100			
WB4HIG	CLEVELAND		GA
K4HYB	GRIFFIN		GA
K4GFY	MOREHEAD	123.0	KY
KS4TO	WADDY	107.2	KY
K5VV	HERNANDO		MS
WA5JZL	LUCEDALE		MS
K5OCM	NATCHEZ	91.5	MS
WA4ZGQ	AHOSKIE	131.8	NC
W4MOE	ASHVL/SPIVEY MT	91.5	NC
WB4YZF	FAYVLLE/CFARS	100	NC
K4IZM	LEXINGTON	107.2	NC
WA4SJS	WHITE HALL		SC
KC4ROG	KNOXVILLE		TN
W4YXA	SHORT MTN		TN
KE4ZBH	FARMVILLE		VA
K4TUE	MT.LAKE/BALD KNB	107.2	VA
N8BQ	MCMECHEN		WV
146.3250 / 146.9250			
WA4ASI	COVINGTON		GA
N4PJR	JESUP		GA
W4BEJ	RADCLIFF		KY
WB5VOJ	CORINTH	107.2	MS
AD4T	#DOBSON	100.0	NC
W4APE	BISHOPVILLE		SC
W4GZX	CLEVELAND		TN
WA4TLZ	CUMBERLAND CITY	127.3	TN
WD4OBW	JONESBOROUGH		TN
WA4TFZ	CHARLOTTESVILLE		VA
WB4GJG	DANVILLE(DCC)	107.2	VA
WD8OGY	PRINCETON/PIPEST		WV
146.3400 / 146.9400			
KT4N	AUGUSTA		GA
W4VO	ROME/MT. ALTO	88.5	GA
WA4RVB	WRIGHTSVILLE		GA
K4GEC	ASHLAND		KY
KY4X	GLASGOW	114.8	KY
K4MSU	MURRAY		KY
KB5DWX	AMORY	192.8	MS
KA5SBK	JACKSON	100.0	MS
K5JMD	MCCOMB		MS
KA4PAY	BURGAW		NC
WA4IZG	BUTNER	156.7	NC
W4BFB	CHARLOTTE		NC
W4ACY	WANCHESE	131.8	NC
N7GZT	CHARLESTON		SC
W4IQQ	GREENVILLE		SC
WB4GBI	KNOXVILLE		TN
N4BSM	MEMPHIS	107.2	TN
K4UMI	HAMPTON		VA
W4ZA	RICHMOND		VA
N4AP	ROANOKE		VA
KD8AB	FENWICK		WV
W8CWO	WEIRTON		WV
146.3550 / 146.9550			
KD4AOZ	ATHENS	123.0	GA
KE4RQT	BLAIRSVILLE	100.0	GA
WR4MG	PERRY	107.2	GA
KF4BRO	FLEMINGSBURG	107.2	KY
WB9SHH	MONTECELLO	88.5	KY
N5EKR	ELLISVILLE		MS
KC5OB	ISOLA		MS
KD4WAR	BURNSVILLE		NC
K4RNC	ROCKINGHAM		NC
NT4L	#NASHVILLE	114.8	TN
WZ8E	BLUEFIELD/ONEIDA	100.0	VA
N4CFA	FARMVILLE	136.5	VA
146.3700 / 146.9700			
K4CLJ	ATLANTA		GA
W4HBB	SAVANNAH		GA
K4DPP	#HENDERSON		KY
W8PRH	STANTON		KY
KI5FW	MERIDIAN	100.0	MS
N5PH	PASCAGOULA		MS
N5EYM	WINONA	110.9	MS
KD4BJD	BENSON		NC
N4XRY	MOUNT AIRY		NC
N4AW	ANDERSON		SC
W4GEY	FLORENCE		SC
W4TRC	KNGSPT/BAYS MT		TN
WD4MWQ	MCMINNVILLE		TN
WA4RWK	MEDINA		TN
W4SKH	OAK RIDGE		TN
W4WRN	STAUNTON		VA
WA4KXV	VIRGINIA BEACH		VA
KJ8E	LOGAN/WRD RK MT		WV
N8NBL	PARKERSBURG (OH)		WV
146.3800 / 146.9800			
W4BEJ	ELIZABETHTOWN		KY
146.3850 / 146.9850			
K4KNS	AUGUSTA	100.0	GA
KC4ZGN	ELLIJAY/TALONA M	77.0	GA
KN4FE	WARM SPRINGS		GA
N4SEI	#JONATHAN CREEK		KY
N5LRQ	COLLINS	136.5	MS
KB5DMT	SENATOBIA	107.2	MS
K4OGB	ALBEMARLE	100.0	NC
WD4PVE	MARION	118.8	NC
KC4PRD	NASHVILLE		TN
KK4MW	#CLINCHCO	103.5	VA
KE4SCS	PETERSBURG	131.8	VA
W4CA	ROANOKE/POOR MT		VA
KF8LL	NEW MARTINSVILE		WV
146.4000 / 147.0000			
WA4NNO	ATLANTA		GA
K5UFH	CORINTH		MS
KE5TL	#VANCLEAVE		MS
N5DXM	WATER VALLEY		MS
WD4FVO	JACKSONVILLE		NC
KD4HTW	MARION		SC
WB4YXZ	PICKENS		SC
KD4CWB	#KNOXVILLE	100.0	TN
W4ZJM	MEMPHIS	*#	TN
W4LG	SUFFOLK	100.0	VA
K8WMX	ST ALBANS		WV
147.6000 / 147.0000			
W4EEE	BOGART		GA
KE4LR	SHELBYVILLE		KY
KG4M	WILLIAMSBURG		KY
KC5ULN	COLUMBUS		MS
W5IQ	JACKSON		MS
WW4DC	THOMASVILLE	88.5	NC
W4CBX	BLOUNTVILLE		TN
WD4SGA	CLARKSVILLE		TN
KA6UHV	COLLEGEDALE	131.8	TN
KD8ZR	TERRA ALTA		WV
146.4150 / 147.0150			
N4GIS	CARTERSVILLE	100.0	GA
N4YSB	YADKINVILLE		NC
AB4M	LYNCHBURG	131.8	VA
K4AXO	NORTON/HIGH KNB	88.5	VA
147.6150 / 147.0150			
K4EDN	BONAIRE	82.5	GA
KF4UM	HINESVILLE		GA
AD4RU	IRVINE		KY
N5JHK	MONTICELLO		MS
NC4LC	LINCOLNTON	141.3	NC
KD4MYE	RALEIGH		NC
W4GL	SUMTER	156.7	SC
AF4TZ	NASHVILLE		TN
AA4KS	RCKWD/MT ROSVLT		TN
WF4Q	UNION CITY	107.2	TN
AA8TH	RICHWOOD		WV
146.4300 / 147.0300			
WV5D	LAUREL		MS
KU4OL	MOUNTAIN REST		SC
K4YTZ	ROCK HILL		SC
WA4JST	RICHMOND		VA
147.6300 / 147.0300			
W4REI	ATLANTA/AIRPORT		GA
KD4ULE	HOPKINSVILLE	103.5	KY
W4PJZ	LOUISVILLE	151.4	KY
W5LDD	OCEAN SPRINGS		MS
KG4BTN	GREENSBORO	131.8	NC
KB4DJT	ROANOKE RAPIDS		NC
KF4CVO	BARNWELL	156.7	SC
K4NMB	#N. MYRTLE BEACH		SC
W4BV	FAYETTEVILLE		TN
W4EM	MEMPHIS		TN
KQ4E	MORRISTOWN		TN
KC8IT	MULLENS		WV
WB8ECC	ST.MARYS/BENS RG		WV
146.4450 / 147.0450			
K4AIH	ANDRWS/ROBNSVL	151.4	NC
147.6450 / 147.0450			
KE4ZRT	DOUGLAS	141.3	GA
KD4AOZ	WATKINSVILLE	123.0	GA
KJ4VF	GRETHEL	100.0	KY
KE4OOS	PARIS	141.3	KY
KB5LCL	MORTON	141.3	MS
W4NHV	LUMBERTON		NC
KC4MJC	#STATESVILLE	77.0	NC
K4ILT	ST. GEORGE	123.7	SC
WD4OZN	BOLIVAR		TN
W5BAK	LIVINGSTON		TN
K4AYN	NASHVILLE		TN
KE4CKJ	STAUNTON/EL.KB	131.8	VA
WA4SBC	VIRGINIA BEACH		VA
146.4600 / 147.0600			
W4CQ	CHARLOTTE		NC
KD4LDU	CHARLESTON	141.3	TN
KF4AGO	SOUTH BOSTON		VA
KA8PNC	PRINCETON		WV
147.6600 / 147.0600			
WA4DDI	MACON		GA
N4CLA	ROSWELL		GA
W4UCJ	THOMASVILLE		GA
K4LOL	BOWLING GREEN	156.7	KY
W4NJA	PADUCAH	103.5	KY
N5OCF	RICHTON		MS
KB4BR	MACO		NC
W4VFR	SUMTER/SHAW		SC
KB4UG	GREENEVILLE	186.2	TN
WA4MQQ	MEMPHIS		TN
N4VFB	SHELBYVILLE		TN
WB4VWR	ENON	107.2	VA
N8ZAR	BUCKHANNON	123.0	WV
147.6700 / 147.0700			
N4MRM	LOUISVILLE	151.4	KY
146.4750 / 147.0750			
NM8T	SMITHERS		WV
147.6750 / 147.0750			
W4CLA	CLAXTON		GA
W4GR	LAWRENCEVILLE	82.5	GA
N4TLP	OWINGSVILLE		KY
NC5Y	JACKSON		MS
K4CCR	NEWTON	88.5	NC
KD4JFN	PITTSBORO	146.2	NC
KT4BU	EASTOVER	156.7	SC
WQ4E	GREENBRIER	107.2	TN
WB4GBI	KNOXVILLE		TN
WF4Q	MCNAIRY	107.2	TN
AD4ZK	NORFOLK		VA
W4PNT	WAYNESBORO		VA
KE8MR	MORGANTOWN	103.5	WV
147.6900 / 147.0900			
KE4RWR	BAINBRIDGE		GA
KC4YHM	EATONTON	179.9	GA
K2YRW	YOUNG HARRIS		GA
KF4CWK	DAWSON SPRINGS	103.5	KY

SERA REPEATER INDEX LISTINGS BY FREQUENCY - Continues

KJ4YK	PHELPS		KY
KB5DSN	AMORY		MS
N5MRS	NEW HEBRON		MS
WB5FXH	#SUMNER		MS
W4GDF	GREENVL/ESTN NC		NC
KI4DH	STAR/BISCOE	100.0	NC
KF4ATU	ORANGEBURG	156.7	SC
K4JLA	SPARTANBURG		SC
AD4QG	EVA		TN
K4NLP	JAMESTOWN	100.0	TN
W4GMM	MEMPHIS	107.2	TN
W4BRC	GALAX/BRIRP MT		VA
N4TZE	GOOCHLAND		VA
N4RAG	MARLINTON	131.8	WV
147.7050 / 147.1050			
WB6RTH	ATLANTA	107.2	GA
KF4DG	PEMBROKE		GA
N4EQT	FRANKFORT	107.2	KY
WA4ZAC	HARLAN		KY
W5SAR	WAYNESBORO		MS
K4ITL	BROADWAY	82.5	NC
WA4KNI	HENDERSONVILLE		NC
KD4NEC	CLEVELAND		TN
K4TC	HENDERSON		TN
W4LYR	LEBANON	100.0	TN
WB4JBJ	BEDFORD		VA
KB4ZIN	WILLIAMSBURG		VA
KA8AUW	SPENCER	100.0	WV
147.7200 / 147.1200			
W4CMA	CEDARTOWN		GA
K4HCA	CLARKESVILLE		GA
KT4N	#LINCOLNTON		GA
KA4KMT	#LOUISVILLE		KY
WB4ASZ	WINCHESTER		KY
NO5N	ACKERMAN		MS
N4GAS	GASTONIA/SPCR MT		NC
WN4Z	ROCKY MOUNT	131.8	NC
W4GS	MYRTLE BEACH		SC
W4GGM	COLUMBIA	127.3	TN
N4WAH	MEMPHIS	107.2	TN
K4EAJ	OAK RIDGE	82.5	TN
WB8POC	PATRICK SPRINGS	107.2	VA
WB8DKM	BRIDGEPORT		WV
WB8NAM	MADISON		WV
147.7350 / 147.1350			
N4BZJ	DALTON	118.8	GA
WR4SG	LAKE PARK	141.3	GA
K4GK	MILLEDGEVILLE	123.0	GA
KF4CME	BARBOURVILLE	100.0	KY
KE4SZK	FRANKLIN	136.5	KY
KF4WMM	SANDY HOOK	107.2	KY
KB5UIX	VOSSBURG	136.5	MS
K4HXZ	BREVARD		NC
K4ITL	CHAPEL HILL	82.5	NC
WA4US	WILMINGTON	67.0	NC
KF4GPE	CHESTERFIELD		SC
KG4BZN	WALTERBORO		SC
WB4EDS	ALAMO		TN
N4AZJ	PEARISBURG	100.0	VA
KC4VDZ	RICHMOND	107.2	VA
KE8MR	DAVIS	103.5	WV
KC8TLG	ROCKPORT	123.0	WV
AA2LD	VINELAND, NJ	156.7	ZZ
147.7500 / 147.1500			
WB4GQX	CUMMING		GA
WA4IDS	SAVANNAH		GA
KD4YGK	LEBANON JCT.	203.5	KY
KI5WI	BOONEVILLE		MS
KF5IZ	PEARL/RANKIN CO	88.5	MS
K4VLY	MORGANTON		NC
K4ITL	ROANOKE RAPIDS	82.5	NC
WD4NUN	MONCKS CORNER		SC
WA4PCD	NASHVILLE WEST	114.8	TN
K4EAJ	OAK RIDGE	82.5	TN
KB4RFN	CLINCHCO	88.5	VA
KB8YDG	RICHWOOD	100.0	WV
147.7650 / 147.1650			
KE4ZRT	DOUGLAS	141.3	GA
KF4XH	#MACON		GA
N4OME	MADRAS	131.8	GA
N4NEQ	MORGANTON	151.4	GA
W4WSM	BOWLING GREEN		KY
WA4HBM	LEXINGTON		KY
WB4UBY	PRESTONSBURG		KY
W4UA	HIGH POINT		NC
KD4PBK	LUMBERTON	88.5	NC
W4GWD	GREENWOOD	107.2	SC
KF4BRS	ERWIN/UNICOI		TN
WA4CEX	PURYEAR		TN
KR4BT	SPARTA/WHITE	123.0	TN
W4CM	NEWPORT NEWS		VA
KA8TCF	WESTON		WV
147.7800 / 147.1800			
N4BMA	AUGUSTA		GA
WD4NHW	BALDWIN		GA
WB4BDP	WARNER ROBINS		GA
KE4ZJT	LONDON	151.4	KY
W4CN	LOUISVILLE	88.5	KY
KC5LIO	WEST POINT		MS
WA1YYN	EFLAND	156.7	NC
AC4RC	WILMINGTON	88.5	NC
W4DXA	FORT MILL		SC
W4HNK	SUMMERVILLE	123.0	SC
WD4DES	CLEVELAND	118.8	TN
WA4KOG	MEMPHIS		TN
K4ZGA	NASHVILLE	114.8	TN
KB4YKV	AMELIA COURTHSE		VA
WD4ITN	MONTEREY	100.0	VA
N4NRV	PKS KB/PULASKI	103.5	VA
WD8OHX	LEON		WV
147.7950 / 147.1950			
K4JPD	ATLANTA		GA
W4UCJ	BOSTON		GA
KT4SH	CADIZ	103.5	KY
KJ4VF	LEXINGTON		KY
N4NIN	#LENOIR		NC
KO4CW	RALEIGH	88.5	NC
W4APE	FLORENCE		SC
KC4FV	ARNOLD A.F.B.		TN
KD4CWB	KNOXVILLE	100.0	TN
AF4OQ	SARDIS	94.8	TN
WA4RTS	LYNCHBURG	136.5	VA
WT4RA	SMITHFIELD	100.0	VA
NV8H	LOGAN SOUTH	100.0	WV
147.8100 / 147.2100			
KF4GHF	CONYERS	162.2	GA
K4NLX	SAVANNAH		GA
KB4DFK	BLACK MOUNTAIN	103.5	KY
K4HY	OWENSBORO	110.9	KY
N5SPJ	UNION	100.0	MS
W4BUZ	GREENSBORO		NC
W4SLH	ORIENTAL	151.4	NC
W4NTQ	WHITEVILLE		NC
K4AVU	LITTLE MT.		SC
W4HPL	COOKEVILLE		TN
WF4Q	JACKSON	107.2	TN
KB8NJH	AMBER RIDGE	107.2	WV
N8FMD	CLARKSBURG	103.5	WV
147.8250 / 147.2250			
W8JI	BARNESVILLE		GA
KG4ABK	DOERUN		GA
W4RLP	SUMMERVILLE	100.0	GA
KY4SP	LITCHFIELD	179.9	KY
N4DRL	BYHALIA		MS
W5BJT	#FRENCH CAMP		MS
WB4SRV	CLAREMONT	162.2	NC
WR4AGC	HILLSBOROUGH		NC
W4DTW	ST. GEORGE		SC
NO4Q	MCEWEN		TN
WB4OAH	MORRISTOWN		TN
KA4VXR	HAMPTON	136.5	VA
WB8NRK	PRINCETON	114.8	WV
147.8400 / 147.2400			
AE4JO	EMERSON	103.5	GA
WB4NFG	IRWINTON	77.0	GA
KC4QK	ASHLAND	107.2	KY
W4GZ	FARMINGTON	91.5	KY
KC4AI	FRANKFORT	100.0	KY
KF4TLT	HYDEN	186.2	KY
W5PBB	PELAHATCIE	77.0	MS
N5ELS	TUPELO		MS
W2SE	CARTHAGE		NC
KG4JIA	CHERRY MTN	94.8	NC
W4GHZ	FRANKLIN	151.4	NC
W4IAR	HILTON HEAD		SC
AC4VT	LANCASTER	88.5	SC
W4LKZ	GALLATIN	114.8	TN
KD4ZTK	BOYDTON		VA
N4MGQ	ELK CRK/IRON MT	107.2	VA
AB8WB	#GASSAWAY	123.0	WV
147.8550 / 147.2550			
KR4NQ	SNELLVILLE	107.2	GA
AE4PO	WAYCROSS	141.3	GA
N4IOX	#DIXON		KY
K4CO	HIGHLAND HTS.	123.0	KY
KC5RC	LAUREL		MS
KJ4AV	ASHEBORO		NC
WA4KNI	HENDSVL/PENIC		NC
W4RRC	LEESVILLE	123.0	SC
WA4JA	FRANKLIN		TN
KJ4SI	PETROS/FRZ HD MT		TN
K4BW	ACCOMAC	156.7	VA
WD4CYZ	#CLINCHCO		VA
KC8CNL	HINTON	100.0	WV
WA8LLM	PARKERSBURG		WV
147.8700 / 147.2700			
KF4ZUR	ALLENHURST	162.2	GA
W4VIR	AMERICUS		GA
KF4GHF	COVINGTON	162.2	GA
WB4EJK	LOUISVILLE	151.4	KY
KE4AIE	ST. CHARLES		KY
WB5USN	ABERDEEN		MS
K5ZRO	VICKSBURG	100.0	MS
W4CQ	CHARLOTTE		NC
AK4H	RALEIGH/BENSON		NC
N4SM	WAYNESVILLE		NC
W4ANK	CHARLESTON AREA		SC
WA4JRJ	SENECA/LONG MT		SC
WA4YQC	GALLATIN	114.8	TN
WB0TMC	JACKSON		TN
KE4FH	JOHNSON CITY		TN
WB4IKL	GUM SPRING		VA
KB4QWO	ROANOKE/POOR MT		VA
WV8AR	SCOTT DEPOT	123.0	WV
147.8850 / 147.2850			
W4PVW	ASHBURN/TIFTON	141.3	GA
KA5WZY	ATLANTA		GA
KC4WWU	KINGSLAND	118.8	GA
KC4ZFH	LONDON		KY
KA4FGA	#MARION		KY
N5LJC	COLUMBIA		MS
KB5TGA	CORINTH		MS
N4ADM	AIKEN		SC
N4LV	MYB BCH/BRKSVIL		SC
W4RCW	#WHITE OAK MTN		SC
KF4JPT	PIKEVILLE		TN
KF4KVG	MARTINSVILLE	107.2	VA
KA4ZIP	WARSAW		VA
W8LG	PINEVILLE		WV
N8HON	SPRUCE KNOB		WV
W3PS	OCEAN CITY, NJ	146.2	ZZ
147.9000 / 147.3000			
N4ALE	COLBERT		GA
WB4YSV	ROME		GA
WR4MG	WARNER ROBINS	107.2	GA
K4ICN	ALLEN	123.0	KY
WA4SJH	SPRINGFIELD		KY
KA5LNY	MAGEE		MS
W4YSB	JEFFERSON	103.5	NC
N4JEX	KANNAPOLIS	136.5	NC
W4MZP	RED SPRINGS		NC
WB4IUY	WILSON	88.5	NC
K4LWS	AWENDAW	103.5	SC
W4CAT	GALLATIN	114.8	TN
W4BBB	KNOXVILLE/RACK	100.0	TN
WA4ADT	MEMPHIS	107.2	TN
W4LG	FRANKLIN	131.8	VA
KI4ZR	LEXINGTON	131.8	VA
WB8NSL	HARISVL/PENSBRO		WV
147.9150 / 147.3150			
AD4EQ	DOUGLAS	141.3	GA
W4STJ	FORSYTH	88.5	GA
W4LJM	#HODGENVILLE		KY
KC4VXR	SALEM		KY
N5DWU	WAYNESBORO		MS
KF4HFQ	ROLESVILLE	88.5	NC
K4MPJ	SAURATOWN MT	100.0	NC
K4PPD	SHALLOTTE		NC
K4JLA	SPARTANBURG		SC
KD4HZN	ROGERSVILLE	114.8	TN
N4ARK	SPARTA	123.0	TN
AJ4D	TELLICO PLAINS	141.3	TN
K4HWQ	GRUNDY		VA
W3PS	PHILADELPHIA, PA	156.7	ZZ
147.9300 / 147.3300			
W3LAP	COCHRAN	77.0	GA
WB4BXO	LAGRANGE		GA
K4NLX	SAVANNAH		GA
N4MTN	TOCCOA		GA
WA8KWH	ASHLAND		KY
KA4CFW	BOWLING GREEN		KY
WD4KNE	#MT. STERLING		KY
N4IUI	#PROVIDENCE		KY
N5EPP	PHILADELPHIA		MS
W4LPL	FAYVLLE/FT BRAGG		NC
KN4K	LENOIR/HIBRITN	141.3	NC
KF4GHC	COLUMBIA	156.7	SC
WD4ORB	MORGAN COUNTY	82.5	TN
WD4RBJ	PULASKI	100.0	TN
KI4ZR	LEXNGTN/ROCK MT.		VA
147.9450 / 147.3450			
N4NEQ	ATLANTA/MARIETTA	151.4	GA
N4PJR	JESUP/SCREVEN		GA
WD4JZH	LEBANON	151.4	KY
KF4TLT	STINETT		KY
KG5SF	GREENVILLE		MS
N5ZMZ	UTICA		MS
WA4IXW	MADISON	103.5	NC
W4NYR	SHELBY		NC
KF4DTL	SYLVA	151.4	NC
WA4TEP	WASHINGTON		NC
KF4CDR	CHARLESTON		SC
KB4RRC	PALMETTO		SC
K4BBN	CROSS PLAINS		TN
K4PHT	DAYTON		TN
NM4L	ABINGDON	103.5	VA
KC4KMY	EASTVILLE	156.7	VA
W3RUA	FRANKLIN		WV
NU8K	LOGAN/SUMERCO		WV
147.9600 / 147.3600			
W4SCR	DOUGLASVILLE	88.5	GA
WA4HZX	DUBLIN		GA
KQ9Z	LOUISVILLE		KY
W5CJR	HATTIESBURG		MS
KC5QGC	LOUISVILLE		MS
K5SVC	NATCHEZ	100.0	MS
WA4J	BOONE/RICH MTN	103.5	NC
WD4LDB	DURHAM		NC
W4PET	LUMBERTON		NC
N4EOY	COLUMBIA		SC
KA4OAK	LAFOLLETTE		TN
W4BS	MEMPHIS	107.2	TN
AF4TZ	NASHVILLE		TN
K4KLX	PARIS		TN
KA4CBB	CHESTERFIELD		VA
KB4OLM	STUARTS DRAFT		VA
N8FWL	BECKLEY	123.0	WV
WV8TC	MIDDLEBOURNE	110.9	WV
K7SOB	SKYLINE	127.3	WV
147.9750 / 147.3750			
K4TQU	ATHENS/CRAWFRD	127.3	GA
KB4VAK	LAFAYETTE	77.0	GA
K4XYZ	BUCKHORN LAKE	103.5	KY
KD4YGK	CENTER	151.4	KY
K4CO	WALTON	123.0	KY
KA5VFU	GULFPORT		MS
KD4WAR	BURNSVILLE		NC
K4GWH	GRAHAM	114.8	NC
KD4EAD	GREENVILLE	151.4	NC
KI4CB	GEORGETOWN		SC
K4LEO	#GREENWOOD		SC
KN4HL	DICKSON		TN
W4NRV	PEARISBURG	100.0	VA
WD8LNB	GRAFTON	118.8	WV
147.9800 / 147.3800			
WB5NAY	PONTOTOC		MS
147.9900 / 147.3900			
KE4SNT	#BLACK ROCK MT		GA
W4CJB	PEMBROKE		GA
W4OHH	THOMASTON	131.8	GA
KE4INT	#ARTEMUS	107.2	KY
WR8CRA	COVINGTON		KY
KF4TOL	CRESTWOOD	151.4	KY
N8QCW	LOUISA	127.3	KY
KC5QHP	FOREST	100.0	MS
WB4IUY	CLAYTON	88.5	NC
WA4QBG	EDEN/STONEVILLE		NC
WA4CHZ	LOCUST	100.0	NC
K4PPD	SHALLOTTE		NC
N4DTR	WAYNESVILLE		NC
KA4FEC	LEXINGTON		SC
KF4L	#CLARKSVILLE		TN
K4DPD	DAYTON/RHEA CTY		TN
KF4TNP	#LEWISBURG		TN
KQ4E	#MORRISTOWN		TN
WA4BJY	OAKFIELD		TN
K4ARO	PETERSBURG		VA
N8RCG	KEYSER	123.0	WV
WV8D	LEWISBURG	100.0	WV
WD8CYV	PARKERSBURG	141.3	WV
146.5900 / 147.5900			
K4JPE	#DURHAM	250.3	NC

220 MHZ

222.1800 / 223.7800			
WD8OHX	#LEON		WV
222.3000 / 223.9000			
WB4SJV	HERMITAGE		TN
222.3400 / 223.9400			
KC4QK	ASHLAND		KY
W4ZJM	MEMPHIS	*#	TN
222.3600 / 223.9600			
WR3S	SMITHVILLE		TN
AA2LD	MILLVILLE, NJ	156.7	ZZ
222.3800 / 223.9800			
W4CAT	GALLATIN	107.2	TN
W3PS	OCEAN CITY, NJ	156.7	ZZ
222.4200 / 224.0200			
WB4JEH	#CONYERS		GA
222.4600 / 224.0600			
W4NYR	SHELBY		NC
222.5000 / 224.1000			
KA4UHL	NANCY	100.0	KY
KF4TNP	LEWISBURG		TN
WB4YHD	FAIRFAX		VA
N4CH	ROANOKE		VA
222.5200 / 224.1200			
N4NFP	ATLANTA/MARIETTA	151.4	GA
WM4MD	MIDDLESBORO	82.5	KY
K4ITL	CHAPEL HILL		NC
W4GL	SUMTER		SC
WV8B	FLAT TOP/WINTRPL	100.0	WV
222.5400 / 224.1400			
KD4ALC	WALESKA		GA
W5SAR	WAYNESBORO		MS
WR4BEG	SOPHIS/RANDLEMAN		NC
WB4QHF	PICKENS/CSRS HD	131.8	SC
KB4PNG	ONEIDA		TN
N4HRV	CHARLOTTESVILLE	88.5	VA
WR8M	WILLIAMSON		WV
222.5600 / 224.1600			
KC4JNN	BISKEY MTN	100.0	GA
KN4K	LENOIR/HIBRITN		NC
K4ITL	RALEIGH		NC
N7GZT	COLUMBIA		SC
WR3S	NASHVILLE		TN
KF4VED	BLUEMTN		VA
222.5800 / 224.1800			
N4YDX	DALLAS		GA
KA4NRL	CHARLESTON		SC
KB8FPK	ERWIN	88.5	TN
WA1ZMS	BEDFRD/APL ORCH	100.0	VA
222.6000 / 224.2000			
KC4OVY	#ATLANTA-NE	100.0	GA
WA4US	WILMINGTON		NC
W4ILY	GREENVILLE		SC
W4CBX	BLOUNTVILLE		TN
W4JAS	HAMPDEN-SYDNEY		VA
WB4GUG	STUART	107.2	VA
222.6200 / 224.2200			
AD4CR	VERSAILLES		KY
NF4C	ROCKY MOUNT		NC
KB4FZK	KNXVL/CROSS MT	100.0	TN
KO4BN	SPRINGFIELD		TN
N3HXT	WINCHESTER		VA
KC8LRN	HILLSBORO	131.8	WV
222.6400 / 224.2400			
N4YYD	FT MT/CHATSWTH	71.9	GA
WA4KNI	HENDSVL/BERWLW		NC
KE4QOX	KVILLE/HIPOINT	107.2	NC
N8FWL	BECKLEY	123.0	WV
222.6600 / 224.2600			
KE4QFG	MARIETTA	110.9	GA
KF4ZTB	GARRETT		KY
WA4BVW	ASHVL/MT PISGAH		NC
WR4AGC	HILLSBOROUGH		NC
N4PYI	SHORT MTN.	114.8	TN
222.6800 / 224.2800			
N4BLR	ATLANTA		GA
AC4RZ	PICKENS		SC
KA4OAK	LAFOLLETTE		TN
AB4M	LYNCHBURG		VA
222.7000 / 224.3000			
WA4KM	TEMPLE	100.0	GA
KA4MKT	LOUISVILLE		KY
N4AI	SOMERSET		KY
WA4WRS	BARIUM SPRINGS		NC
KE4CKJ	STAUNTON/EL KNOB	131.8	VA
222.7200 / 224.3200			
N4MTA	ACWORTH/ATL	123.0	GA
KA4SQN	JACKSONVILLE		NC
W4IT	PICKENS/SASFR MT		SC
KK4US	CLEVELAND		TN
223.7200 / 224.3200			
K4TDO	LYNCH		KY
222.7400 / 224.3400			
W4DOC	ATLANTA		GA
WW4DC	THOMASVILLE	88.5	NC
WB4GBI	KNOXVILLE		TN
KM4OI	TYSONS CORNER		VA
N8FWL	BECKLEY/OAK HILL	123.0	WV
222.7600 / 224.3600			

SERA REPEATER INDEX LISTINGS BY FREQUENCY - Continues

N4BZJ	DALTON		GA
WB4PAC	#GRIMESLAND		NC
WA4TG	MARSHALL		NC
WR3S	LAVERGNE		TN
KE4JSV	LURAY		VA
WB8YST	CHARLESTON	107.2	WV
222.7800 / 224.3800			
N4RBT	DAHLONEGA	100.0	GA
WR4AMS	META		KY
N4OQJ	KNOXVILLE	100.0	TN
WS4W	RIDGEWAY		VA
222.8000 / 224.4000			
KC4AQS	JASPER	100.0	GA
W4BFB	CHARLOTTE		NC
WB4QHF	PICKENS	131.8	SC
KB4YGI	COLLIERVILLE		TN
N4RBB	MORRISTOWN		TN
222.8200 / 224.4200			
KD4AOZ	WATKINSVILLE	123.0	GA
AC4AO	LEXINGTON		KY
W4BS	MEMPHIS		TN
WD4GSM	NORTON/HIGH KNB		VA
WB8POC	PATRICK SPRINGS	103.5	VA
WD4KHP	BELL KNOB		VA
222.8400 / 224.4400			
N4NEQ	ATLANTA/MARIETTA	151.4	GA
WB4GUG	GREENSBORO	107.2	NC
KN4CW	WEST SPRINGS		SC
KC4TFQ	#NASHVILLE		TN
N2FUV	SEVIERVILLE		TN
N8FWL	BLUEFIELD	123.0	VA
222.8600 / 224.4600			
N4BZJ	DALTON	118.8	GA
KB0Y	VALDOSTA	141.3	GA
K4XYZ	BUCKHORN LAKE	103.5	KY
KC4ZTJ	SHELBY		NC
WR3S	NASHVILLE		TN
222.8800 / 224.4800			
KE4IPX	NORCROSS		GA
KC4FWC	LOCUST		NC
K4ZGA	NASHVILLE		TN
KD4HZN	ROGERSVILLE		TN
222.9000 / 224.5000			
N4MTA	ACWORTH/ATL	123.0	GA
N4FND	SHEPHERDSVILLE	151.4	KY
N4DRL	BYHALIA		MS
AD4DN	WILMINGTON	88.5	NC
KG4JIA	GAFF/THICKETY MT	123.0	SC
W4BBB	KNOXVILLE/RACK	100.0	TN
K4RCA	MARTINSVILLE		VA
222.9200 / 224.5200			
KE4AIS	PINE LOG MTN		GA
WR4AMS	DORTON		KY
KD4CJG	ASHEVILLE	91.5	NC
KR4HJ	LEXINGTON	107.2	NC
K4RWN	LITTLE MTN		SC
222.9400 / 224.5400			
N4YEA	DALLAS		GA
WA4BVW	MT MITCHELL		NC
N8ITF	SPRINGFIELD	107.2	TN
WB4PVT	HAMPTON	100.0	VA
N8FWL	BECKLEY - WEST	123.0	WV
222.9600 / 224.5600			
W4RRG	LOOKOUT MT		GA
KD4RXF	LANCASTER		KY
WB4YZF	FAYETTEVILLE		NC
N5CWH	COLUMBIA	162.2	SC
AC4JF	NEWPORT	100.0	TN
K4YW	WYTHEVILLE	77.0	VA
222.9800 / 224.5800			
NX9O	ALPHARETTA	100.0	GA
WB4F	PIKEVILLE		KY
KR4AA	ROCKY MOUNT		NC
WA4RQF	#WALKERTOWN		NC
KB4VFD	CROSS		SC
N4KFI	KNOXVILLE	103.5	TN
223.0000 / 224.6000			
W4UWH	JASPER	100.0	GA
WB4PLA	ASHEVILLE		NC
KC4KUL	#THOMASVILLE		NC
KD4TZZ	MURFREESBORO	123.0	TN
W4LG	LAKE GASTON		VA
223.0200 / 224.6200			
W4PME	ATLANTA/BELL	100.0	GA
KD4DAR	PIKEVILLE		KY
KC4IRA	GASTONIA	127.3	NC
KD4JFN	HAW RIVER	107.2	NC
W4UWH	GATLINBURG		TN
W4GSF	GLOUCESTER		VA
223.0400 / 224.6400			
W4RRG	LOOKOUT MT.		GA
KG4JIA	CHERRY MTN	71.9	NC
W4RNC	RALEIGH		NC
WA4RQF	WALKERTOWN		NC
KC4SWI	COLUMBIA		SC
KC4RGQ	MORRISTOWN		TN
N8FWL	HINTON/BECKLEY		WV
223.0600 / 224.6600			
NP2Y	YOUNG HARRIS	100.0	GA
KE4RQL	BIG KNB/MARS HIL	100.0	NC
WA1YYN	EFLAND	107.2	NC
W4VFR	SUMTER/SHAW		SC
WR3S	NASHVILLE		TN
223.0800 / 224.6800			
N4BZJ	DALTON		GA
WB4KPF	WILMINGTON		NC
KA4RCL	WAYNESBORO	131.8	VA
N8FWL	WYTHEVILLE	123.0	VA
W3PS	EAGLEVILLE, PA	156.7	ZZ
223.1000 / 224.7000			
W4TIY	DALLAS		GA
WB9SZL	CLEMMONS	100.0	NC
KM4TC	DUNCAN	88.5	NC
KD4VUW	GALLATIN		TN
KD4IBW	SEVIERVILLE	100.0	TN
K4ARO	PETERSBURG		VA
WS8L	CHARLESTON	123.0	WV
223.1200 / 224.7200			
W4UWH	CLAYTON		GA
WR4AMS	PRESTONSBURG		KY
WA4DAN	TRENTON		NC
223.1400 / 224.7400			
N4KVC	DALTON		GA
KD4WAR	BURNSVILLE		NC
N4NCK	OXFORD		NC
N4PYI	NASHVILLE	100.0	TN
KC4JGC	NORFOLK	100.0	VA
N8FWL	BECKLEY - SOUTH	123.0	WV
223.1600 / 224.7600			
W4BOC	STONE MT		GA
KB7BTU	PLYMOUTH	131.8	NC
W4EXU	SALISBURY		NC
WQ4E	GREENBRIER		TN
K4PCK	KNOXVILLE		TN
WR3S	S. PITTSBURG		TN
WA4TFZ	CHARLOTTESVILLE		VA
223.1800 / 224.7800			
KC4KLW	CEDARTOWN	179.9	GA
WB5OWY	VICKSBURG		MS
N4IV	EDEN	103.5	NC
KO4BR	ORANGEBURG		SC
K4VCM	CHATTANOOGA		TN
KE4FH	JC/BUFFALO MT		TN
WA4KOG	MEMPHIS		TN
W4IY	WOODBRIDGE		VA
223.2000 / 224.8000			
WA4SSJ	CONYERS		GA
KR4BD	LEXINGTON		KY
KD4WJD	ZEBULON	88.5	NC
WZ4SC	FORT MILL		SC
WQ4E	GREENBRIAR		TN
KD4IBW	SEVIERVILLE		TN
KC8LRN	LEWISBURG		WV
223.2200 / 224.8200			
KK4C	ATLANTA	77.0	GA
WR4MG	HAWKINSVILLE	107.2	GA
WR4AMS	HAZARD		KY
N4DWU	CANTON		NC
KD4LHP	KERNERSVILLE	107.2	NC
223.2400 / 224.8400			
W4TL	GAINESVILLE	131.8	GA
WR4MG	WARNER ROBINS		GA
WA4NC	BANNER ELK		NC
WA4DAN	GRIFTON		NC
KC4WGH	COALFIELD	88.5	TN
KC4PRD	NASHVILLE		TN
N4PLV	BEDFORD		VA
N8FWL	ANSTED	123.0	WV
223.2600 / 224.8600			
KC4JNN	ALPHARETTA	100.0	GA
K4NOC	BISHOPVILLE		SC
KQ4Q	PEARISBURG	107.2	VA
223.2800 / 224.8800			
WD4LUQ	YORKVILLE	77.0	GA
N4AI	SOMERSET		KY
N4DRL	WARSAW		MS
K4AIH	ANDRWS/ROBINSVL		NC
K4DQ	FANCY GAP	100.0	VA
223.3000 / 224.9000			
W4LMA	MARIETTA		GA
N4EQT	LAWRENCEBURG	107.2	KY
N4EOY	COLUMBIA		SC
W4WC	GREENEVILLE	100.0	TN
WD9JGI	SWEETWATER	127.3	TN
AA4HQ	DELTAVILLE		VA
K4YDG	ROANOKE/TINKER		VA
223.3200 / 224.9200			
W4CSX	SNELLVILLE	100.0	GA
W4NYK	GRNVL/DOWNTWN	88.5	SC
W4RRG	SIGNAL MT		TN
WA8O	BLUEFIELD		VA
223.3400 / 224.9400			
WB4KXO	AUGUSTA		GA
KB4GDS	WALESKA		GA
AD4RU	IRVINE		KY
N4JJ	FLORENCE		SC
WB4NKM	GREENEVILLE		TN
WA4PCD	NASHVILLE		TN
AB4EM	ROANOKE/CAHAS MT		VA
223.3600 / 224.9600			
PT2RFL	ATLANTA/MARIETTA	100.0	GA
KC4ZTJ	CHERRYVILLE		NC
W3PS	GOLDSBORO	156.7	NC
N4QVI	GREENSBORO		NC
N4UQS	HENDERSONVILLE		NC
WR3S	SE NASHVILLE		TN
W3PS	CHESTER, PA	156.7	ZZ
223.3800 / 224.9800			
K4JSR	CUMMING		GA
WR4AMS	LONDON		KY

440 MHZ

434.0000 / 421.2500			
W4ZTL	ATLANTA/BELL		GA
K4NLX	SAVANNAH		GA
KJ4SO	DURHAM TV HILL		NC
KO4AT	GREENSBORO		NC
WD4ATV	JOHNSON CITY/BUF		TN
WA4GSS	HUNTINGTON		WV
KB8QHO	WHEELING		WV
439.2500 / 421.2500			
W4BEJ	ELIZABETHTOWN		KY
W4PPN	CHARLOTTE		NC
N4GUP	LEXINGTON		SC
WZ4O	SUMTER		SC
AF4TZ	NASHVILLE		TN
N4XND	GLOUCESTER		VA
W4HTB	BOWLING GREEN		KY
KA5NOJ	GAUTIER		MS
N3XA	WAYNESBORO		VA
WA4VHP	SAVANNAH		GA
W4NYR	#SHELBY		NC
438.7750 / 433.0750			
WA3KOK	CHESTERFIELD		VA
438.8000 / 433.2000			
WD4ICX	FANCY GAP		VA
426.2500 / 439.2500			
N4FHL	ROANOKE/POOR MT		VA
446.2500 / 441.2500			
NQ4Y	MONTEAGLE MT.		TN
446.3500 / 441.3500			
KD4DXR	#WALESKA		GA
WA4USN	KNIGHTSVILLE		SC
446.4500 / 441.4500			
WA4USN	MT. PLEASANT		SC
446.5250 / 441.5250			
N4KJU	PAINTSVILLE	127.3	KY
KY4SP	WEBSTER		KY
KG4AQH	GREELEYVILLE		SC
446.6000 / 441.6000			
WA4AYB	RICHMOND		VA
446.6250 / 441.6250			
W4ERT	TAYLORSVILLE	123.0	NC
446.7250 / 441.7250			
W4ERT	TAYLORSVILLE	151.4	NC
446.7750 / 441.7750			
KD4YGK	LEBANON JCT	203.5	KY
446.8000 / 441.8000			
KC4YNF	ACWORTH	77.0	GA
AF4MI	PEMBROKE	123.0	GA
446.8250 / 441.8250			
KA4MLK	ROME	100.0	GA
446.8500 / 441.8500			
KF4QLF	GRIFFIN		GA
446.8750 / 441.8750			
K4NRC	NEWNAN	156.7	GA
KD4TZZ	MURFREESBORO	107.2	TN
446.9000 / 441.9000			
WB4GQX	CUMMING	141.3	GA
446.9250 / 441.9250			
W4CSX	DALLAS	162.2	GA
446.9500 / 441.9500			
KE4OKD	SANDY SPRINGS	103.5	GA
K4TUE	NEWPORT	107.2	VA
446.9750 / 441.9750			
KG4BTN	GREENSBORO	162.2	NC
447.0000 / 442.0000			
WB6RTH	ALPHARETTA	107.2	GA
AF4UL	MACON	100.0	GA
N4ORL	LOUISVILLE		KY
KC4IEV	GAFFNEY	114.8	SC
K4TTC	HOHENWALD		TN
K4BTL	MARYVILLE		TN
W4LG	GASBURG		VA
WB3T	WYTHE/WALKER MT	103.5	VA
447.0250 / 442.0250			
W4CML	ATLANTA	127.3	GA
K4OO	RALEIGH	94.8	NC
KD4KMK	YADKINVILLE	100.0	NC
447.0500 / 442.0500			
N1KDO	MARIETTA	107.2	GA
KD4ADJ	LEXINGTON		KY
WA1YYN	EFLAND	107.2	NC
KD4XV	JASPER	127.3	TN
WB4SQC	JOHNSON CITY/HOL	100.0	TN
WA4BJY	MEDINA		TN
447.0250 / 442.0750			
W8BLA	ROSWELL		GA
447.0750 / 442.0750			
N4VOS	STANTON		KY
KD4PBS	APEX	114.8	NC
K4JLA	COLUMBUS	103.5	NC
N4JDW	WILMINGTON	88.5	NC
KJ4BJ	DAYTON		TN
KA4BNI	LEXINGTON	107.2	TN
KF4UCI	CHARLOTTESVILLE	151.4	VA
447.1000 / 442.1000			
K4HUM	NORCROSS	100.0	GA
N4RBL	LOUISVILLE AREA		KY
N4IV	WENTWORTH	103.5	NC
K4USC	UNION		SC
KF4TNP	LEWISBURG	107.2	TN
WD4PAX	MILAN		TN
447.1250 / 442.1250			
KD4GRU	BLUERIDGE	146.2	GA
KG4IWI	HENDERSON	88.5	NC
WT4F	PICKENS		SC
KB4YFV	HILLSVILLE	103.5	VA
447.1500 / 442.1500			
N4SE	ROSWELL/BELL	100.0	GA
KD4RTR	DORTON	167.9	KY
W4UNC	CHAPEL HILL	131.8	NC
WJ9J	CHATTANOOGA		TN
KA4BNI	DRESDEN	107.2	TN
WD4RBJ	PULASKI	118.8	TN
KD4SUU	CHESTERFIELD		VA
447.1750 / 442.1750			
N4BZJ	DALTON	118.8	GA
K4NGQ	FRANKFORT	67.0	KY
KC4UBR	LINVILLE	136.5	NC
KE4GYN	ROXBORO	156.7	NC
WA4US	WILMINGTON		NC
KU4ZS	SPARTANBURG	123.0	SC
W4GMM	MEMPHIS	107.2	TN
447.2000 / 442.2000			
KF4SKT	BLAIRSVILLE		GA
N3APR	DECATUR		GA
N5DWU	ELLISVILLE	167.9	MS
WA4US	WILMINGTON		NC
N7GZT	COLUMBIA	162.2	SC
N7GZT	ORANGEBURG		SC
WM4T	GRAY	100.0	TN
WA4BJY	OAKFIELD		TN
N4IFC	LYNCHBURG/T.ROW	103.5	VA
447.2250 / 442.2250			
WB6RTH	#ATLANTA	107.2	GA
WJ9J	RCKWOOD/OZONE		TN
NO4Q	WAVERLY	110.9	TN
WB4GUG	STUART	107.2	VA
447.2500 / 442.2500			
KE4HAC	MADRAS		GA
N5DWU	ELLISVILLE	167.9	MS
KB4PQA	GREENVILLE		SC
WD4DES	CLEVELAND	118.8	TN
WA4PGI	COVINGTON	100.0	VA
447.2750 / 442.2750			
K4DDH	MACON	100.0	GA
N4ZCM	AUBURN		NC
KO0NTZ	LEXINGTON	146.2	NC
KF4CFO	ETOWAH	141.3	TN
KE4PFW	HENDERSON		TN
447.3000 / 442.3000			
KW4KW	RINGGOLD	118.8	GA
WW4T	STATHAM		GA
KC4QPR	MORG/WALKER TOP	94.8	NC
KC4ED	SUMMERVILLE		SC
WA4UCE	COOKEVILLE	107.2	TN
KC4VDZ	RICHMOND	114.8	VA
447.3250 / 442.3250			
W4JLG	MABLETON		GA
K4JBV	INDEPENDENCE	100	KY
WM4MD	MIDDLESBORO	67.0	KY
WD4ICX	ASHEBORO		NC
447.3500 / 442.3500			
WD4NHW	BALDWIN		GA
KD4TAH	RUSSELLVILLE	136.5	KY
KF5TU	LAKE GASTON	100.H	NC
WA4YGD	LINCOLNTON		NC
447.3750 / 442.3750			
KE4QFG	MARIETTA		GA
KE4YRE	SHELBYVILLE		KY
WA4PXV	HICKORY		NC
447.4000 / 442.4000			
N4UER	WARM SPRINGS		GA
KF4JJD	GARRETT	79.7	KY
AA4XV	LATONIA		KY
KD4WJD	ZEBULON		NC
WB4QHF	PICKENS/CSRS HD	127.3	SC
KF4YI	LYNCHBG/JACK MT.	107.2	VA
447.4250 / 442.4250			
KC4FIE	MADISONVILLE		KY
K4AE	LEXINGTON	107.2	NC
AF4ZJ	CHAT/WALDEN		TN
KA4BNI	JACKSON	107.2	TN
447.4500 / 442.4500			
W4CML	SNELLVILLE		GA
KD4CLR	LOUISVILLE AREA	151.4	KY
WA4TOG	HENDERSONVILLE		NC
N4LMR	RALEIGH		NC
KD4NED	CLEVELAND	88.5	TN
W8MOP	BLUEFIELD		VA
WA3KOK	CHESTERFIELD	107.2	VA
447.4750 / 442.4750			
K4NVG	LAVONIA	203.5	GA
W4RRG	LOOKOUT MT.	67.0	GA
KE4DGP	WILKESBORO	107.2	NC
AG4AN	FOREST		VA
447.5000 / 442.5000			
AB4KN	PEACHTREE CITY	77.0	GA
KE4PMP	VIDALIA	88.5	GA
KB4RYM	LOUISVILLE		KY
K4GFY	MOREHEAD		KY
KG4JIA	CHERRY MTN	94.8	NC
K4YNY	WILMINGTON	88.5	NC
WB4HAP	KNOXVILLE	103.5	TN
W4CA	ROANOKE/POOR MT		VA
447.5250 / 442.5250			
N4XQM	ATLANTA	203.5	GA
KY4JD	FORT WRIGHT	123.0	KY
WB3T	WYTHEVILLE	103.5	VA
447.5500 / 442.5500			
WB4JEH	CONYERS	151.4	GA
WD4ELX	LOUISVILLE		KY
WA4TOG	ASHEVILLE		NC
K1BUD	PITTSBORO		NC
W4RAT	RICHMOND	127.3	VA
447.5750 / 442.5750			
WA4BPY	CUMMING	79.9	GA
AE4LW	MADISONVILLE	100.0	KY
W4MLU	RALEIGH	156.7	NC
KU4RT	HENDERSON		TN
NU5O	MEMPHIS	77.0	TN
WB4IVB	JONESVILLE	100.0	VA
447.6000 / 442.6000			
KD4FOC	DUBLIN	77.0	GA
WA4OKJ	MARIETTA	100.0	GA
KD4ADJ	MT STERLING		KY
WD4NWV	ANDRWS/ROBINSVL	151.4	NC
WA4PXV	VALDESE		NC
N8ITF	SPRINGFIELD	107.2	TN
K4ARO	PETERSBURG		VA
K4ARO	ROANOKE		VA
447.6250 / 442.6250			
W4ABP	GAINESVILLE	131.8	GA
KD4CDX	HARLAN	100.0	KY
KE4KIV	NEWTON		NC
WB4EPG	MEMPHIS		TN
447.6500 / 442.6500			
KE4FHN	DANIELSVILLE		GA
W4RRG	LOOKOUT MT	100.0	GA
KD4GEU	ASHEVILLE		NC
WA1ZMS	BEDFRD/APL ORCH	100.0	VA

SERA REPEATER INDEX LISTINGS BY FREQUENCY - Continues

447.6750 / 442.6750			
KE4PVE	ATLANTA	100.0	GA
KD4BOH	ROCKPORT	77.0	KY
NC4SU	RALEIGH	100.0	NC
WA4MPZ	BLUFFTON	100.0	SC
447.7000 / 442.7000			
KC4ZGN	ELLIJAY	77.0	GA
W4MAZ	MACON	97.4	GA
K4NLX	SAVANNAH		GA
WA4PZN	SHELBYVILLE		TN
W7CP	ROANOKE		VA
447.7250 / 442.7250			
KE4QFG	MARIETTA/ATL		GA
KB4YJ	LOUISVILLE	151.4	KY
N5LRQ	VOSSBURG	167.9	MS
N4GLB	SIMPSONVILLE		SC
W4RDM	COLUMBIA		TN
KE4MBR	DECATUR	141.3	TN
KF4RMT	BASSETT		VA
KB8PCW	GILBERT		WV
447.7500 / 442.7500			
N3DAB	JASPER	141.3	GA
KD4HEY	ANDERSON	162.2	SC
WD4KZK	ROANOKE/MILL MT	107.2	VA
447.7750 / 442.7750			
K4VJM	FLOWERY BRANCH		GA
KC4FIE	MADISONVILLE		KY
KG4LWG	GASTONIA	123.0	NC
KF4CDR	CHARLESTON		SC
AE4PZ	MOUNTAIN REST	127.3	SC
KE4CIF	PULASKI		VA
447.8000 / 442.8000			
N4NFP	ATL/MARIETTA		GA
N4AAD	YADKINVILLE	100.0	NC
WD4LUR	LAKE CITY	100.0	TN
KB4MIC	GUM SPRING		VA
447.8250 / 442.8250			
W1CP	CLAYTON	162.2	GA
KC4ENL	HAPEVILLE	167.9	GA
WA1YYN	SAURATOWN MT	131.8	NC
WF4G	MEMPHIS		TN
KT4PN	ONEIDA		TN
447.8500 / 442.8500			
WB4HJG	LAWRENCEVILLE	82.5	GA
W2HR	GILBERTSVILLE	103.5	KY
AG4AZ	BREVARD		NC
KA4IXK	ROANOKE/POOR MT		VA
WB8NSL	PENNSBORO	103.5	WV
447.8750 / 442.8750			
PT2RFL	ATLANTA/MARIETTA	100.0	GA
W3LAP	COCHRAN	77.0	GA
W4GSO	GREENSBORO	88.5	NC
KD4DMS	SPIVEY'S CORNER		NC
KC4WHL	HARRIMAN	136.5	TN
KF4OCK	LORETTO	203.5	TN
447.9000 / 442.9000			
K3TD	BUFORD	103.5	GA
WR4MG	WARNER ROBINS		GA
W4CMR	IRVINE		KY
WW4DC	THOMASVILLE	88.5	NC
N4WT	CHATT/HIXSON		TN
KE4CES	JACKSON	114.8	TN
W4MT	NEWPORT NEWS	100.0	VA
447.9250 / 442.9250			
KC4YHM	EATONTON		GA
K4CH	LEXINGTON	107.2	NC
WD4OAR	WHITE OAK MT	100.0	TN
KB8QKM	CHARLESTON	71.9	WV
447.9500 / 442.9500			
AA4AI	ATHENS	179.9	GA
N4XGI	ST SIMONS ISLAND	131.8	GA
W4ERT	TAYLORSVILLE	151.4	NC
KC4YLL	PARIS	123.0	TN
AB4FU	LYNCHBURG		VA
447.9750 / 442.9750			
WA4YNZ	ATLANTA		GA
WA4YNZ	#ROSWELL		GA
KF4DAR	KERNERSVILLE	107.2	NC
NK4W	LITTLE MT	162.2	SC
KB8KSP	ABINGDON	100.0	VA
448.0000 / 443.0000			
W4DRC	CHATSWORTH		GA
KE4ZRT	DOUGLAS	141.3	GA
KT4GB	BARDSTOWN		KY
KD4DVI	PADUCAH	179.9	KY
KI4RK	PIKEVILLE		NC
N4EOY	COLUMBIA		SC
W4ZJM	MEMPHIS	*#	TN
KM4X	WHITETOP MT	103.5	VA
N8HZ	HUNTINGTON		WV
W3PS	LINWOOD, PA	156.7	ZZ
448.0250 / 443.0250			
W4CML	ATLANTA	127.3	GA
KD4IEZ	DUBLIN	156.7	GA
KE4OOL	LEXINGTON	123.0	KY
WB4IKY	GIBSONVILLE	107.2	NC
N4UAG	KNOXVILLE		TN
KA8YEZ	WHEELING	77.0H	WV
448.0500 / 443.0500			
NE1H	SNELLVILLE		GA
W3PS	GOLDSBORO	156.7	NC
WB4PUB	#NASHVILLE	107.2	TN
N8FWL	BECKLEY	123.0	WV
W3PS	CHESTER, PA	156.7	ZZ
448.0750 / 443.0750			
WX4EMA	#MACON	156.7	GA
WR4BEG	SOPHIA/RANDLEMAN		NC
KA4AZQ	KNOXVILLE	100.0	TN
448.1000 / 443.1000			
N4KHQ	DAHLONEGA	100	GA
N4WJS	OWENSBORO	110.9	KY
KE4QOX	SAURATOWN MT	88.5	NC
KA4JXT	MEMPHIS	107.2	TN
KN4YM	POWHATAN		VA
KE4QOX	BECKLY/OAK HILL	107.2	WV
448.1250 / 443.1250			
KU4ML	FOSTER		KY
KB4PQA	CRAB CREEK TWP		NC
WA4NNA	RALEIGH		NC
KT4OL	CHATTANOOGA		TN
KT4OL	CHATTANOOGA		TN
KC4PRD	GOODLETTSVILLE	107.2	TN
KA4JXT	HICKORY VALLEY	107.2	TN
KA4JXT	MEMPHIS		TN
WB3T	MARION	103.5	VA
448.1500 / 443.1500			
KF4XH	BYRON		GA
W4PME	ROSWELL/BELL	100.0	GA
KD4PBC	MIDDLESBORO	146.2	KY
W4HG	SALISBURY	136.5	NC
KD4PBC	GATLINBURG	146.2	TN
KD4PBC	TRI-CITIES	146.2	TN
K8MHR	ST. ALBANS		WV
448.1750 / 443.1750			
N4GIS	CARTERSVILLE		GA
KC4COV	FLORENCE	131.8	KY
KD4HLH	LAURENS	146.2	SC
KG4GCZ	MT PLEASANT	107.2	TN
WB8POC	PATRICK SPRINGS		VA
448.2000 / 443.2000			
K4YC	IVEY	88.5	GA
KD4APP	PINE LOG MT	103.5	GA
KC4FWC	#STANFIELD	77.0	NC
KD2LH	YOUNGSVILLE	88.5	NC
W4WC	GREENEVILLE	100.0	TN
W4BS	MEMPHIS	107.2	TN
KB4YKV	AMELIA		VA
448.2250 / 443.2250			
WA4DIW	JONESBORO		GA
KD4TAH	FRANKLIN		KY
KS4TO	WADDY		KY
N4ZCM	RALEIGH		NC
W8LG	BECKLEY/BOLT		WV
448.2500 / 443.2500			
KC4JNN	#BISKEY MTN	100.0	GA
KJ4VF	DORTON		KY
N4JEX	CHINA GROVE	136.5	NC
448.2750 / 443.2750			
KC4KLW	ROCKMART	179.9	GA
KF4TLA	ASHEVILLE	103.5	NC
WA4WTX	ROUGEMNT/RED MT	100.0	NC
WA4AWI	LEBANON	107.2	TN
448.3000 / 443.3000			
WW4GA	ATHENS		GA
KB5DZJ	WIGGINS	167.9	MS
KC4KUL	ARCHDALE		NC
KB4TOH	COLUMBIA	131.8	NC
KC4IEV	FOREST CITY	123.0	NC
KA7UEC	COLLIERVILLE	107.2	TN
WA4KJH	GATLBG/COVE MT	127.3	TN
WS8L	CHARLESTON	123.0	WV
448.3250 / 443.3250			
N4JMD	STOCKBRIDGE		GA
WA4CMO	FRANKFORT		KY
KF4IXK	KERNERSVILLE	131.8	NC
WB3T	BLUEFIELD/ONEIDA	103.5	VA
448.3500 / 443.3500			
N4YYD	FT. MT/CHATSWTH	71.9	GA
K4ULW	LOUISVILLE SW		KY
W5CJR	PETAL		MS
N4JEX	KANNAPOLIS	136.5	NC
ND4N	GRNVLE/PARIS MT		SC
WA4AWI	DEASON	107.2	TN
K4GX	ROGERSVILLE		TN
448.3750 / 443.3750			
KC4AQS	JASPER	100.0	GA
W1IFL	RALEIGH		NC
KF4ZIG	INDEPENDENCE	103.5	VA
KC8SDN	RICHWOOD	123.0	WV
448.4000 / 443.4000			
WB4GWA	CONCORD	118.8	GA
K4XYZ	BUCKHORN LAKE	103.5	KY
N0SU	BRYSON CITY	151.4	NC
WB4GUG	SAURATOWN MT	107.2	NC
AD4DN	WILMINGTON	88.5	NC
AC4WW	AIKEN	107.2	SC
WD4DBJ	CUMBERLAND CITY		TN
WA4QWW	MEMPHIS		TN
448.4250 / 443.4250			
KD4CPO	BRUNSWICK		GA
AE4JO	ETOWAH VALLEY	103.5	GA
KB4MDE	JASPER		GA
KD4RTR	MILLARD		KY
WA1YYN	RES. TRIANGLE PK	156.7	NC
448.4500 / 443.4500			
WC4RAV	COBB COUNTY	103.7	GA
KB4VAK	HIGH PT/LOOKT MT	77.0	GA
AE4NU	COX'S CREEK	151.4	KY
KC5LCW	GAUTIER	123.0	MS
N5WXD	WEST POINT		MS
N4VOZ	STATESVILLE		NC
KC4RBA	LYNCHBURG	186.2	VA
448.4750 / 443.4750			
W4EEE	BOGART		GA
KC4COV	FLORENCE	131.8	KY
KE4UIU	CANTON	156.7	NC
W4UNC	CHAPEL HILL	131.8	NC
WZ4SC	FORT MILL		SC
KB8YDD	RICHWOOD		WV
448.5000 / 443.5000			
N4MTA	MARIETTA		GA
WD9EQC	LOUISVILLE		KY
KF4BRO	MAYSVILLE	123.0	KY
WB4UBY	META		KY
W5SAR	WAYNESBORO		MS
AB4JJ	WEST JEFFERSON	107.2	NC
N5CWH	COLUMBIA	162.2	SC
KD4CWB	KNOXVILLE		TN
448.5250 / 443.5250			
N4PQR	KNOXVILLE	114.8	GA
KC4KLW	ROME	179.9	GA
KD4EVB	BURLINGTON	107.2	KY
N4EUX	LENOIR/CAJAH MT		NC
KD4MJO	SOUTH HILL	100.0	VA
448.5500 / 443.5500			
KK4IN	DACULA		GA
KE4WLP	GRIFFIN		GA
N4HZX	GRAEFENBURG		KY
W5SAR	WAYNESBORO		MS
KC4XE	WILKESBORO		NC
WB4LRD	CHATTANOOGA		TN
N3ELM	YORKTOWN	100.0	VA
448.5750 / 443.5750			
KD4NTF	CEDARTOWN	107.2	GA
NU5O	SOUTHAVEN	77.0	MS
WA4PXV	AIR BELLOWS GAP		NC
KA6UHV	COLLEGEDALE	131.8	TN
W4LYR	LEBANON	100.0	TN
KC8AUY	RICHWOOD		WV
448.6000 / 443.6000			
KA5WZY	ATLANTA	146.7	GA
KA4UHL	NANCY	100.0	KY
W5PPB	RAYMOND	77.0	MS
N4DWU	MT MITCHELL		NC
W4TLB	BIG SANDY	114.8	TN
W8CXD	FOREST	136.5	VA
KC8PFI	CEREDO		WV
448.6250 / 443.6250			
K4MDS	GRAY		GA
KF4OYP	JASPER	100.0	GA
KF4NTQ	GEORGETOWN		KY
AA5RZ	JACKSON, EAST		MS
W4EUS	RES. TRIANGLE PK		NC
KE4EAN	COWPENS	136.5	SC
KA7UEC	COLLIERVILLE	107.2	TN
AD4QG	EVA		TN
KC4MJN	JAMESTOWN	100.0	TN
WZ8E	BLUEFIELD	100.0	WV
448.6500 / 443.6500			
W4CML	ATLANTA	123.7	GA
N4WJS	OWENSBORO	110.9	KY
K4AIH	ANDRWS/ROBINSVL		NC
KD4WAR	BURNSVILLE		NC
KG4BTN	GREENSBORO	88.5	NC
WA4AXH	NOLENSVILLE		TN
K4UMI	HAMPTON		VA
448.6750 / 443.6750			
N4GWO	BARNESVILLE		GA
KD4FRP	CROWDER'S MT		NC
AD4LR	PARIS		TN
KD4IBW	SEVIERVILLE	100.0	TN
K4YD	BENT MT	107.2	VA
448.7000 / 443.7000			
W4TIY	DALLAS		GA
KY4KY	BROOKS	151.4	KY
K5PN	HATTIESBURG	136.5	MS
KE4QOX	KVILLE/H POINT	103.5	NC
WA4LBT	LOCUST		NC
N4JEH	ROCKY MOUNT	107.2	NC
K4VVM	BARTLETT	107.2	TN
KB4OTK	LAFOLLETTE		TN
KB8UJG	PRINCETON	123.0	WV
448.7250 / 443.7250			
KB2DZA	CONYERS	77.0	GA
KE5LT	PICAYUNE	179.9	MS
K4GWH	GRAHAM	156.7	NC
KC4KPJ	CLOVER	127.3	SC
KG4KIJ	MONROE CO		TN
KB5YJC	NASHVILLE	107.2	TN
N8SNY	WELCH		WV
448.7500 / 443.7500			
K4GO	COVINGTON	146.2	GA
KC4ZTI	GASTONIA/CRWDR		NC
WB4EDS	ALAMO		TN
KD4MSS	CHATTANOOGA	100.0	TN
WA4OHX	HAMPTON	100.0	VA
KC3FB	PATRICK SPRINGS	77.0	VA
448.7750 / 443.7750			
N4YF	SUGAR HILL	82.5	GA
KF4INN	VERSAILLES		KY
WB4SRV	CLAREMONT	118.8	NC
KD4JFN	HAW RIVER	107.2	NC
KF4Y	LAURENS	141.3	SC
KA4MHJ	SPENCER	123.0	TN
448.8000 / 443.8000			
N4NFP	ATLANTA/MARIETTA	151.4	GA
K4MSU	MURRAY	114.8	KY
N5IAT	NATCHEZ		MS
KC4QZL	MORGANTON		NC
W4HNK	MT PLEASANT	123.0	SC
W4HNK	SUMMERVILLE		SC
KA4AZQ	KNOXVILLE	100.0	TN
WA1ZMS	BEDFRD/APL ORCH	100.0	VA
W4POX	PORTSMOUTH		VA
KA8OTX	OAK HILL		WV
448.8250 / 443.8250			
KD4HPD	STONE MTN	123.0	GA
KD4EVB	FALMOUTH	118.8	KY
K4AVY	PRESTONSBURG	127.3	KY
N5ZNS	GLOSTER		MS
KC4FWC	#ROCKINGHAM	77.0	NC
KC4KRM	SHELBYVILLE		TN
KF4RMT	MARTINSVILLE	107.2	VA
WB4KZI	PETERSBURG		VA
448.8500 / 443.8500			
K4PLM	#WALESKA	192.8	GA
KC4YOZ	DALLAS CHLT	100.0	NC
WA4US	WILMINGTON		NC
KE4OVN	DRESDEN	107.2	TN
N4ULM	FRANKLIN		TN
KQ4I	DANVILLE		VA
KB8TGK	HUNTINGTON	88.5	WV
448.8750 / 443.8750			
KD4LXT	ATLANTA		GA
KC4KPW	PINEY KNOB	103.5	NC
KD4KPV	MCKENZIE		TN
W4DUM	WILLIS		VA
W8SP	FAIRMONT		WV
448.9000 / 443.9000			
K4RHJ	FLOWERY BRANCH	100.0	GA
KC4KZT	DAVID	167.9	KY
W4UA	HIGH POINT		NC
W4GWD	GREENWOOD	107.2	SC
KD4HII	CHATTANOOGA		TN
W4KOC	WHITE HOUSE	107.2	TN
448.9250 / 443.9250			
KQ4XL	MONROE	123.0	GA
W4BAB	RINGGOLD		GA
N4EQT	LAWRENCEBURG	107.2	KY
KE4KNZ	MCEWEN		TN
K4DHT	MOUNTAIN CITY	103.5	TN
KF4AGO	SOUTH BOSTON		VA
448.9500 / 443.9500			
KA4UFM	DECATUR	110.9	GA
W4LJM	CANE VALLEY		KY
N5ZDF	HAZLEHURST	100.0	MS
KD4OWV	CHARLOTTE		NC
WA1YYN	HILLSBOROUGH	114.8	NC
WA4US	WILMINGTON		NC
KC4FV	ARNOLD A.F.B.		TN
KD4OBX	KNOXVILLE		TN
N4ER	MEMPHIS		TN
448.9750 / 443.9750			
KB4NPO	REX		GA
K4TDO	HAZARD	103.5	KY
WA4WGY	MAYODAN		NC
N4VDE	LIBERTY	103.5	SC
WR3S	LAVERGNE		TN
KA4WJS	ROCKWOOD		TN
N8FIP	WESTON		WV
449.0000 / 444.0000			
WB4QDX	LAWRENCEVILLE	127.3	GA
WD4AFY	#SAVANNAH		GA
AD4RU	IRVINE		KY
KG5YV	CLINTON	100.0	MS
K4JEQ	HICKORY		NC
KI4RK	SELMA		NC
W4ULH	FLORENCE		SC
WD4BKY	GALLATIN	107.2	TN
KD4CWB	KNOXVILLE	100.0	TN
W4CAR	CHESAPEAKE	162.2	VA
KC8IT	MULLENS		WV
449.0250 / 444.0250			
W4CML	LAWRENCEVILLE	127.3	GA
AE4PO	WAYCROSS	141.3	GA
KD4JFN	HIGH POINT	107.2	NC
KC4WHL	HARRIMAN		TN
K4RDK	MEMPHIS		TN
449.0500 / 444.0500			
N4NEQ	ATLANTA/MARIETTA	151.4	GA
KE4NLL	SALYERSVILLE	127.3	KY
KB4PTJ	WILLIAMSBURG	100.0	KY
N4PYI	NASHVILLE	107.2	TN
WB3T	FANCY GAP	103.5	VA
KB4OLM	STUARTS DRAFT		VA
449.0750 / 444.0750			
W4FWD	CARROLLTON	131.8	GA
KB8SBN	INDEPENDENCE	110.9	KY
KD4BOH	ROCKPORT	77.0	KY
K4CCR	ANDSN MT/DENVER	88.5	NC
KG4JJB	LEWISBURG	107.2	TN
KC4PDQ	MARYVILLE	100.0	TN
KF4ATY	MEMPHIS	107.2	TN
KD4TBC	GRETNA/SMITH MT	123.0	VA
K8OJC	HURRICANE		WV
449.1000 / 444.1000			
W4WSM	BOWLING GREEN		KY
N4UL	LOUISVILLE	173.8	KY
KB5BRZ	MERIDIAN	131.8	MS
WR4AGC	DURHAM		NC
KC4AC	LANCASTER		SC
W4AM	CHATTANOOGA		TN
KE4FH	JOHNSON CITY		TN
KA4JXT	MEMPHIS		TN
KE4CKJ	STAUNTON/EL KNOB	131.8	VA
KB4ZIN	WILLIAMSBURG		VA
N8ILO	PARKERSBURG (OH)		WV
449.1250 / 444.1250			
KE4PVE	PENDERGRASS	100.0	GA
KB8QLC	LEXINGTON	88.5	KY
WB4GUG	MCLEANSVILLE		NC
KC4ECD	LAFAYETTE	107.2	TN
KA4JXT	MEMPHIS		TN
N8LVE	BECKLEY		WV
N8RCG	KEYSER	103.5	WV
449.1500 / 444.1500			
W4PME	ATLANTA/BELL	100.0	GA
KD4YGK	LEBANON JCT	203.5	KY
WB4IVB	MIDDLESBORO	100.0	KY
WD5BJT	CLERMONT HARBR	77.0	MS
WB5YCR	NEW ALBANY		MS
K4JDR	CLAYTON	100.0	NC
AG4EI	GASTONIA/CRWDR		NC
W4GL	SUMTER	123.0	SC
KE4LQY	CHATTANOOGA		TN
AF4TZ	NASHVILLE	107.2	TN
KI4ZR	LEXNGTN/ROCK MT.		VA
449.1750 / 444.1750			
KE4PVE	COVINGTON	100.0	GA
KC4COV	FLORENCE	131.8	KY
W4FBC	LILLINGTON	118.8	NC
W2GLJ	GERMANTOWN		TN

SERA REPEATER INDEX LISTINGS BY FREQUENCY - Concludes

KC4NNN	KNOXVILLE		TN
W4NRW	PULASKI	103.5	VA
N8FMD	CLARKSBURG	103.5	WV
449.2000 / 444.2000			
WA4DB	#GAINESVILLE	107.2	GA
KR4PF	MARION	100.0	KY
KD4RTR	PIKEVILLE		KY
WB4YNF	AHOSKIE		NC
KE4QEA	#KING/SAURATOWN	100.0	NC
WA4US	WILMINGTON		NC
KF4GHC	COLUMBIA	156.7	SC
KD4HII	CHATTANOOGA		TN
N4ARK	NASHVILLE		TN
WB4VWR	ENON		VA
N8ZVK	FLATWOODS		WV
449.2250 / 444.2250			
KE4SJO	WOODSTOCK		GA
KF4RBD	RINEYVILLE	151.4	KY
K4GWH	GREENSBORO	146.2	NC
N4ARK	NASHVILLE	114.8	TN
WV8AR	CHARLESTON	123.0	WV
449.2500 / 444.2500			
W4BOC	DECATUR		GA
KF4DC	GLASGOW/CVCTY		KY
WA4KNI	HENDSVL/BERWLW		NC
N4EWS	LOUISBURG	88.5	NC
K4SER	WILLIAMSTON	131.8	NC
WA4PAJ	BARTLETT		TN
WQ4E	GREENBRIER		TN
WA4TFZ	CHARLOTTESVILLE	151.4	VA
WG4R	MEADOWS OF DAN	103.5	VA
N8ZAR	BUCKHANNON		WV
449.2750 / 444.2750			
K4JLG	CORNELIA	100.0	GA
KE4BB	CULLODEN	123.0	GA
KF4IFC	CORBIN	79.7	KY
KU4MJ	DAWSON SPRINGS		KY
W4NC	WINSTON-SALEM		NC
W4GZX	CLEVELAND		TN
WA4AXH	LEBANON		TN
W4RDF	ENON	114.8	VA
KC8CSE	DUNMORE	123.0	WV
449.3000 / 444.3000			
KC4GZX	#ATHENS/CRAWFORD	127.3	GA
KC4YNY	HOGANSVILLE		GA
KD4RTR	ELKHORN CITY	167.9	KY
KG4JNM	LOUISVILLE	156.7	KY
N4DRL	BYHALIA		MS
KC5RC	HEIDELBERG	100.0	MS
WA4VTX	ELIZABETH CITY	131.8	NC
N4MNH	CHARLESTON		SC
WB4GBI	KNOXVILLE		TN
WA4BZU	NASHVILLE	107.2	TN
K4BW	ACCOMACK	156.7	VA
KI4ZR	LEXINGTON		VA
449.3250 / 444.3250			
KF4BMG	MARIETTA	79.7	GA
WA4QFV	WHITAKER MTN		NC
WA4BZU	CLARKSVILLE	107.2	TN
KB4KSL	KNOXVILLE		TN
WB3T	ROANOKE	103.5	VA
KA8ZXP	GLENVILLE		WV
449.3500 / 444.3500			
KE4PVE	NEWNAN	100.0	GA
WR4SG	VALDOSTA	141.3	GA
K4CO	WALTON	123.0	KY
WB4IKY	GIBSONVILLE	107.2	NC
KR4LO	GRANTSBORO		NC
WD4BKY	GALLATIN	114.8	TN
KD4CLA	PIGEON FORGE	156.7	TN
N4CH	BEDFORD		VA
WB8YST	CHARLESTON	107.2	WV
449.3750 / 444.3750			
KB4IZF	JASPER	103.5	GA
KD4DAR	PIKEVILLE		KY
KB5HAV	PEARL	88.5	MS
N4DTR	FRANKLIN	131.8	NC
KB4WGA	HENDERSON	156.7	NC
KB4YTM	HUNTINGDON		TN
KR4BT	SPARTA	123.0	TN
N4OWU	FANCY GAP	107.2	VA
449.4000 / 444.4000			
WB4ULJ	HAMILTON		GA
WB4HJG	LULA	71.9	GA
KD4YGK	SHEPHERDSVILLE	203.5	KY
KC4COV	WILDER	131.8	KY
WB4YZF	FAYETTEVILLE	100HZ	NC
WA4KOG	MEMPHIS		TN
N4PYI	MT JULIET		TN
K4EAJ	OAK RIDGE	82.5	TN
N8LVE	ALDERSON/SAM BLK	100.0	WV
N8HON	MADISON, VA		ZZ
449.4250 / 444.4250			
K4PE	HELEN	127.3	GA
KC4COV	DRY RIDGE	118.8	KY
KF4QZN	MORGANTOWN	179.9	KY
N4ZVN	MONROE	94.8	NC
N1GMV	ZEBULON	88.5	NC
KC4NNN	KNOXVILLE		TN
WA4ISI	ALTAVISTA	100.0	VA
KB8TJH	SHIRLEY		WV
449.4500 / 444.4500			
W4DOC	ATLANTA	146.2	GA
KO4OT	SIMPSONVILLE	100.0	KY
KD5AHI	ABERDEEN		MS
KB5LCL	JACKSON	141.3	MS
W4CQ	CHARLOTTE		NC
WR4AGC	HILLSBOROUGH	100.0	NC
N4DTR	WAYNESVILLE		NC
WA4US	WILMINGTON		NC
W4CAT	GALLATIN	107.2	TN
WJ9J	SODDY DAISY		TN
W8MOP	BLUEFIELD		VA
449.4750 / 444.4750			
KD4GEY	FOLKSTON		GA
N4CLA	SWEAT MT/MARIETT		GA
KF4QZN	MAMMOTH CAVE	179.9	KY
AD4BI	PIKEVILLE		KY
KG4BTN	GREENSBORO	107.2	NC
N1GMV	ZEBULON	88.5	NC
N4ZKR	SUMMITVILLE	107.2	TN
AD4ZK	NORFOLK	127.3	VA
449.5000 / 444.5000			
W4MM	ALBANY		GA
KD4GPI	ATLANTA	110.9	GA
N4BZJ	DALTON	118.8	GA
KD4GMH	MANCHESTER	103.5	KY
W5LRG	MERIDIAN	107.2	MS
WD4ICX	LEXINGTON		NC
N4JEH	TARBORO	100.0	NC
K4NOC	BISHOPVILLE	123.0	SC
K4JP	BRSTL/HOLSTN MT		TN
N4WAH	MEMPHIS		TN
K4CQ	LYNCHBRG/TOB MT	136.5	VA
449.5250 / 444.5250			
KD4IEZ	CHESTER	156.7	GA
W4GR	SNELLVILLE	82.5	GA
KJ4VF	GRETHEL		KY
N5NNI	NEW HEBRON		MS
W4RNC	RALEIGH	88.5	NC
WA4ZRS	WAXHAW	94.8	NC
N4LV	MYB BCH/BRKSVIL		SC
KD4IBW	KNOXVILLE	100.0	TN
WA4BGK	NASHVILLE	107.2	TN
449.5500 / 444.5500			
WB4JEH	CONYERS	151.4	GA
K4DC	LEWISPORT		KY
KC4DUU	LEXINGTON		KY
N4GAS	GASTONIA/SPCR MT		NC
KA4BQM	ROANOKE RAPIDS	192.8	NC
KG4BZN	WALTERBORO	123.0	SC
NQ4Y	COOKEVILLE	107.2	TN
WF4Q	MCNAIRY	107.2	TN
WA4PCD	NASHVILLE		TN
KB4WTP	COPPER RIDGE	103.5	VA
W4QR	HAMPTON	167.9	VA
W4WWQ	LYNCHBURG	136.5	VA
449.5750 / 444.5750			
W4SCR	DOUGLASVILLE	88.5	GA
N4MVY	PHELPS		KY
KC5CLM	PORT GIBSON	141.3	MS
KC4FWC	#BOONE/RICH MT	77.0	NC
N4HAJ	KINSTON	88.5	NC
K2PJ	MYRTLE BEACH	85.4	SC
W4BBB	KNOXVILLE/RACK	100.0	TN
WA4WCK	NASHVILLE		TN
449.6000 / 444.6000			
W4PSZ	FAYETTEVILLE	77.0	GA
WA4NKL	QUITMAN	127.3	GA
KF4WMM	BRUSHY FORK	88.5	KY
N4NMC	LOUISVILLE	151.4	KY
KC4FIE	MADISONVILLE		KY
WA4SJH	SPRINGFIELD		KY
KB5CO	JACKSON	100.0	MS
W4BFB	CHARLOTTE	100.0	NC
KC4WXA	OXFORD		NC
KT4YW	NO. CHARLESTON		SC
WS4S	COOKEVILLE	107.2	TN
WB4HAP	KNOX/ENGLSH MT		TN
WA4AUX	PROSPECT	118.8	TN
KA8TCF	WESTON		WV
449.6250 / 444.6250			
K4EDN	BONAIRE	82.5	GA
W4CBA	CUMMING	123.0	GA
KC5BMJ	KINGSLAND	118.8	GA
W1BPP	MOULTRIE	123.0	GA
KB4QFL	HAWESVILLE		KY
KE4ISW	RICHMOND	192.8	KY
AB5MU	NETTLETON	192.8	MS
N5OCF	RICHTON		MS
WB4DVN	LUMBERTON		NC
WD4EOG	CLEMSON UNIV.	156.7	SC
WT4E	COLLIERVILLE	107.2	TN
KD4TUD	JEFFERSON CITY		TN
WA4TOA	NASHVILLE	107.2	TN
WZ8E	BLUEFIELD		VA
KF4LWH	SOUTH BOSTON		VA
449.6500 / 444.6500			
K4YC	IVEY		GA
N4IBW	SMYRNA		GA
WB4FUR	STENNIS SPC CEN		MS
N5NBG	WALLS		MS
NE4J	MIDDLESEX	179.9	NC
KJ4HF	SALISBURY	88.5	NC
WA4US	WILMINGTON		NC
N4UHF	LITTLE MOUNTAIN		SC
WB4NKM	GREENEVILLE	100.0	TN
W4CAT	SHRT MT/MURFREB	107.2	TN
N4EHJ	RICHMND/CHLTVL		VA
449.6750 / 444.6750			
KC4CBQ	HIAWASSEE	186.2	GA
N4YTR	PEACHTREE CITY	77.0	GA
KC4VYX	ROBINSON CREEK		KY
KF4AWA	SALVISA	203.5	KY
N5PS	GREENVILLE		MS
W4WBT	CHARLOTTE		NC
KE4JDP	#JACKSONVILLE	88.5	NC
W4GS	MYR BCH/CONWAY	85.4	SC
WA4PCD	NASHVILLE		TN
WD4MIZ	NORFOLK	107.2	VA
AB8WB	GASSAWAY	123.0	WV
449.7000 / 444.7000			
WB4SBT	BYRON	103.5	GA
WD4LUQ	DALLAS	77.0	GA
KF4BJM	VALDOSTA	141.3	GA
N5KOL	BOWLING GREEN	136.5	KY
NC5Y	JACKSON		MS
KD4BGD	LUMBERTON	114.8	NC
N4JEH	ROCKY MOUNT		NC
AE4GA	STATESVILLE	94.8	NC
K4AU	DANVILE/WHT OAK		VA
N4WWB	GATE CITY		VA
WB8CQV	HERNSHAW	203.5	WV
K8LG	MORGANTOWN		WV
449.7250 / 444.7250			
KS4QM	SUMMERVILLE	123.0	GA
KD4AOZ	WATKINSVILLE	123.0	GA
KY4K	HENDERSON	203.5	KY
KE4ISR	LEXINGTON		KY
W4ZCD	HICKORY FLAT	179.9	MS
KC4FWC	BLADENBORO	77.0	NC
KG4IWI	ROCKY MOUNT		NC
KD4MMP	WINSTON-SALEM	107.2	NC
KC4KPJ	ROCK HILL	127.3	SC
WA4AKM	FRANKLIN	107.2	TN
WB0TMC	JACKSON	107.2	TN
N4CKB	SEVIERVILLE	123.0	TN
KF8FO	LEWISBURG	103.5	WV
449.7500 / 444.7500			
KC4ELV	CONYERS	162.2	GA
N4ZRF	LAKEMONT		GA
KC8ERN	#ASHLAND	88.5	KY
KE4AIF	HOPKINSVILLE	103.5	KY
WB9SHH	MONTICELLO		KY
KD5GVU	STARKVILLE		MS
KC4YOT	GASTONIA/CRWDR		NC
KD4JFN	PITTSBORO	146.2	NC
K4TC	HENDERSON		TN
KF4VWJ	HIXSON	100.0	TN
N4PYI	MT JULIET	156.7	TN
WD4KQI	FOREST		VA
449.7750 / 444.7750			
N4NEQ	ATLANTA/MARIETTA	151.4	GA
N4MXC	COCHRAN		GA
N4IWZ	ALLEN	123.0	KY
KC4UPE	NICHOLASVILLE	167.9	KY
K4JDR	CARY	100.0	NC
KR4EX	OLD FORT		NC
WA4RQF	#WALKERTOWN	103.5	NC
WA4AKM	GALLATIN	107.2	TN
KF4UCI	#CHARLOTTEVILLE		VA
WD4KZK	SLINGS GAP	107.2	VA
449.8000 / 444.8000			
WA4ASI	COVINGTON	88.5	GA
W4BEJ	ELIZABETHTOWN		KY
KB5CO	JACKSON		MS
WB4PMQ	GREENVILLE	131.8	NC
KF4LUC	HICKORY	94.8	NC
K4YEC	REIDSVILLE	107.2	NC
KD4QMS	SOUTHERN PINES	118.8	NC
K0JXI	MEMPHIS		TN
KD4LP	#MORRISTOWN		TN
N4PYI	NASHVILLE	110.9	TN
KB4MIC	OILVILLE		VA
WV8B	BECKLEY/OAK HILL	100.0	WV
W8CUL	MORGANTOWN		WV
449.8250 / 444.8250			
W4DOC	ATLANTA	146.2	GA
KC4UPE	BEATTYVILLE	192.8	KY
KC4VXR	SALEM	100.0	KY
KB5DSN	AMORY		MS
KF4UY	MT AIRY/FSH PK	100.0	NC
K4GWH	RALEIGH	146.2	NC
KE4FGW	MARYVILLE	100.0	TN
K5FE	MEMPHIS	107.2	TN
N4PYI	SMITHVILLE	107.2	TN
WA4ZBP	STAUNTON	131.8	VA
449.8500 / 444.8500			
N4BZJ	DALTON		GA
N4YXL	GREENSBORO	103.5	GA
KF4UM	HINESVILLE		GA
KF4QZN	HORSECAVE	179.9	KY
AA4NI	NEBO		KY
AB5DU	INDIANOLA	136.5	MS
KC5LXF	PINOLA		MS
W4CQ	CHARLOTTE		NC
K4GMP	WILMINGTON	88.5	NC
WD4MWQ	MCMINNVILLE		TN
K7AG	MEMPHIS	107.2	TN
KF4VDF	POUND	103.5	VA
AB4SF	RICHMOND		VA
WD4KZK	ROANOKE/READ MT	107.2	VA
WB8ZER	HUNTINGTON/CHAS	131.8	WV
449.8750 / 444.8750			
KE4UAS	MCDONOUGH	123.0	GA
KE4RJI	TIFTON		GA
KC4UPE	SALVISA	167.9	KY
N5HTQ	MCCOMB	100.0	MS
KD4RAA	RALEIGH	100.0	NC
WB4U	WINGATE	127.3	NC
N7GZT	ORANGEBURG		SC
KD4UWA	CHAT/MNTLAKE MT	156.7	TN
WA4AKM	NASHVILLE	107.2	TN
KB4WTP	BIG A MTN		VA
449.9000 / 444.9000			
KD4BOO	AUGUSTA		GA
N4KHQ	DAHLONEGA		GA
WB4IVB	CORBIN	100.0	KY
W4YWH	HIGHLAND HEIGHTS	123.0	KY
KY4SP	HUDSON	179.9	KY
W4EWN	NEW BERN	100.0	NC
W4EJ	WILSON	179.9	NC
WB4MMI	RAMER		TN
W4LYR	WATERTOWN	100.0	TN
N4XRY	FANCY GAP		VA
N8SCS	BELINGTON	141.3	WV
KE4QOX	LOGAN	107.2	WV
449.9250 / 444.9250			
WA4NNO	ATLANTA		GA
WB4NFG	IRWINTON	77.0	GA
N4PJR	JESUP		GA
KY4X	GLASGOW		KY
KO4LI	OLIVE HILL		KY
N5PYQ	SOUTHAVEN	107.2	MS
WB5TTE	VICKSBURG		MS
KB4WGA	DURHAM	156.7	NC
K4OBX	HATTERAS ISLAND	131.8	NC
N4XRY	MOUNT AIRY		NC
AC4RZ	EASLEY/SAS MTN	103.5	SC
N5NAY	GEORGETOWN		SC
WA4AKM	COLUMBIA	107.2	TN
N4VIH	DOVER		TN
KD4TZD	KNOXVILLE		TN
KD4FWS	FANCY GAP	100.0	VA
WB8BON	ROANOKE/TINKER M		VA
449.9500 / 444.9500			
W4TL	CLERMONT	131.8	GA
WR4MG	PERRY		GA
N4DUE	LEXINGTON		KY
WB5YGI	PHILADELPHIA		MS
N5VGK	TUPELO	192.8	MS
WA1WXL	DALLAS/CHLT	136.5	NC
KF4HFQ	ROLESVILLE	88.5	NC
KD4PBC	CHARLESTON	103.5	SC
KF4GP	CLARKSVILLE	167.9	TN
W4EYJ	CROSSVILLE	118.8	TN
K4GX	GREENEVILLE		TN
WB4NNE	MEMPHIS		TN
WA4KXV	VIRGINIA BEACH		VA
WB8CQV	SO. CHARLESTON	203.5	WV
449.9750 / 444.9750			
WA4YNZ	ATLANTA		GA
K4TVE	BRUNSWICK		GA
W3LAP	COCHRAN	77.0	GA
WA4YNZ	#CUMMING		GA
KC4QK	ASHLAND	107.2	KY
WB4CWF	NICHOLASVILLE		KY
N5PS	O'REILLY	100.0	MS
KE4QAP	ASHEBORO		NC
N4JEH	CASTALIA	107.2	NC
W4YMI	NEWPORT CCARS		NC
KC4ZTJ	POLKVILLE		NC
WM3O	ORANGEBURG		SC
KQ4E	MORRISTOWN		TN
WA4AKM	NASHVILLE	107.2	TN
N4AZJ	PEARISBURG	103.5	VA
N8EKT	WHEELING		WV
443.7750 / 448.7750			
W4RKC	WINCHESTER	146.2	VA
439.2500 / 911.2500			
KA5NOJ	GAUTIER		MS
426.2500 / 923.2500			
K4CQ	LYNCHBURG		VA
439.2500 / 923.2500			
KY4ATV	#LEXINGTON		KY

920 MHZ

907.5000 / 919.5000			
WD4KZK	ROANOKE/POOR MT	107.2	VA
908.5000 / 920.5000			
KF4TNP	LEWISBURG		TN
908.8000 / 920.8000			
KQ4E	MORRISTOWN		TN
909.0000 / 921.0000			
K4CQ	LYNCHBRG/TOB MT	100.0	VA
909.1000 / 921.1000			
WA1ZMS	BEDFRD/APL ORCH	100.0	VA
910.2500 / 923.0000			
WA4VHP	#SAVANNAH		GA
K4ZGA	NASHVILLE		TN
902.5000 / 927.5000			
KG4LMT	ATLANTA	223.0	GA
902.6625 / 927.6625			
W4FAL	RALEIGH	156.7	NC
N4DTR	WAYNESVILLE	131.8	NC
902.7250 / 927.7250			
KA4KMG	LEXINGTON	DCS75	KY

1270 MHZ

1265.0000 / 421.2500			
N4BZJ	DALTON ATV		GA
1253.0000 / 427.2500			
N4NEQ	ATLANTA/MARIETTA		GA
1277.2500 / 439.2500			
KD4EEW	NASHVILLE		TN
1277.2500 /1253.2500			
W4PPN	#CHARLOTTE		NC
1271.1000 /1283.1000			
WA1ZMS	BEDFRD/APL ORCH	100.0	VA
1272.4000 /1284.4000			
WA4AKM	NASHVILLE		TN
1273.3000 /1285.3000			
KF4TNP	LEWISBURG		TN
1274.5000 /1286.5000			
WA4AKM	SMITHVILLE		TN
1271.0200 /1291.0200			
N4CH	ROANOKE/POOR MT		VA
1271.4100 /1291.4100			
AD4DN	WILMINGTON	88.5	NC
1272.0000 /1292.0000			
KB4KIN	ATLANTA/BELL		GA
N4HKS	MEMPHIS		TN
1272.8200 /1292.8200			
AG4EI	GASTONIA/CRWDR		NC

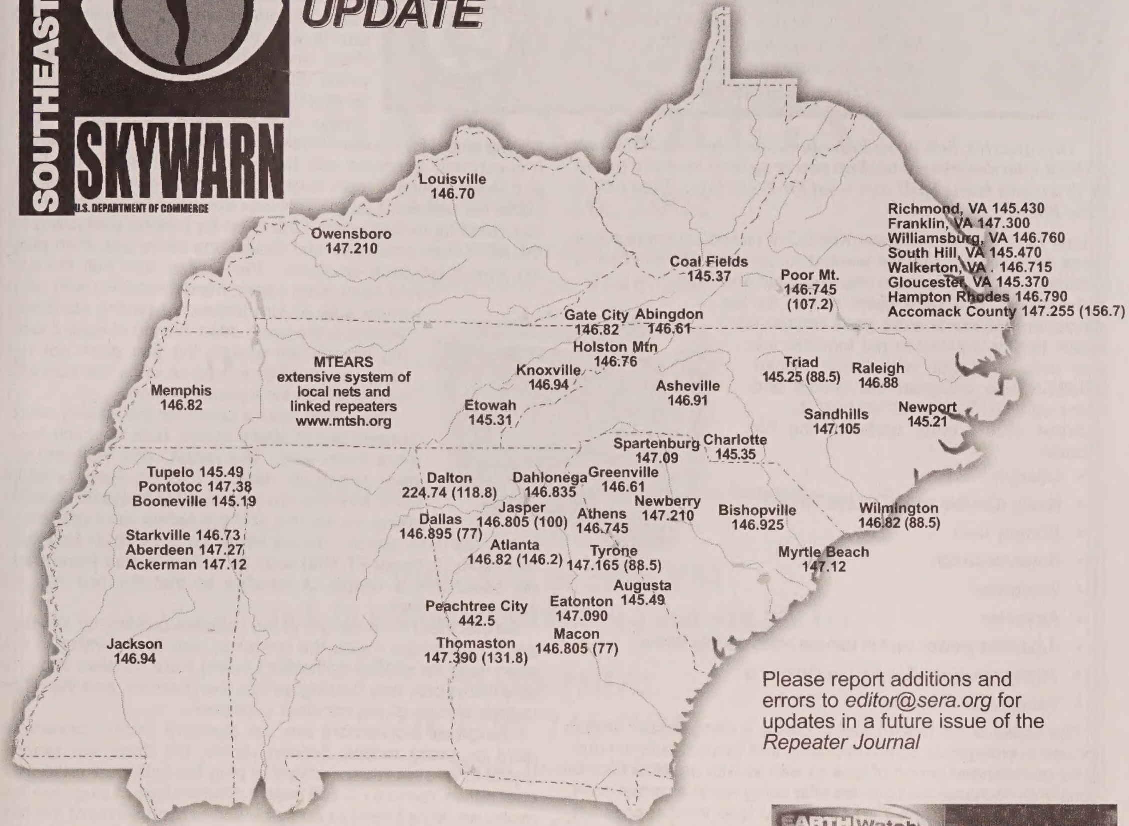
2.4GHz

2441.6000 /2411.6000			
WA1ZMS	BEDFRD/APL ORCH		VA

To Have corrections or changes made - Contact your Coordinator.

SOUTHEASTERN SKYWARN
U.S. DEPARTMENT OF COMMERCE

REPEATERS IN SERA TERRITORY - UPDATE


Louisville
146.70
Owensboro
147.210
Coal Fields
145.37
Poor Mt.
146.745
(107.2)
Richmond, VA 145.430
Franklin, VA 147.300
Williamsburg, VA 146.760
South Hill, VA 145.470
Walkerton, VA . 146.715
Gloucester, VA 145.370
Hampton Rhodes 146.790
Accomack County 147.255 (156.7)
Gate City Abingdon
146.82 146.61
Holston Mtn
146.76
MTEARS
extensive system of
local nets and
linked repeaters
www.mtsh.org
Knoxville
146.94
Triad
145.25 (88.5)
Raleigh
146.88
Memphis
146.82
Asheville
146.91
Etowah
145.31
Sandhills
147.105
Newport
145.21
Spartenburg
147.09
Charlotte
145.35
Tupelo 145.49
Pontotoc 147.38
Booneville 145.19
Dalton
224.74 (118.8)
Dahlonega
146.835
Greenville
146.61
Newberry
147.210
Jasper
146.805 (100)
Athens
146.745
Bishopville
146.925
Wilmington
146.82 (88.5)
Dallas
146.895 (77)
Starkville 146.73
Aberdeen 147.27
Ackerman 147.12
Atlanta
146.82 (146.2)
Tyrone
147.165 (88.5)
Myrtle Beach
147.12
Augusta
145.49
Peachtree City
442.5
Eatonton
147.090
Macon
146.805 (77)
Thomaston
147.390 (131.8)
Jackson
146.94

Please report additions and errors to *editor@sera.org* for updates in a future issue of the *Repeater Journal*

Last issue's SKYWARN feature drew a lot of attention. Many SKYWARN EC's were happy to have the coverage, and report renewed interest from local hams. But the report was flawed due to lack of information from some key areas. This month, we'll fill in some of the updates we received:

Spartanburg County SC

Add Spartanburg SC to the map with 147.09, serving the Greer SC NWS office. Contact Art Patterson KE4EAN, e-mail ke4ean@bellsouth.net.

TRIAD SKYWARN (NC)

TRIAD SKYWARN does have a net - Tuesday at 8:30 on 145.25.

MIDDLE TENNESSEE

MTEARS is an extensive system of local nets and linked repeaters covering central Tennessee. There's more info than we can present here, so please see their excellent web site at: **www.mtsh.org**. Contact: Michael Davis KB5YJC michael.davis@noaa.gov.

EASTERN TENNESSEE

New East Tennessee SKYWARN web page now up: **www.etskywarn.net**.

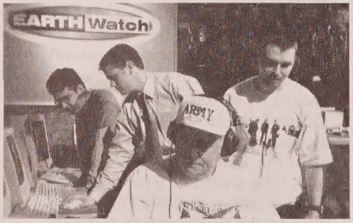
KENTUCKY SKYWARN

Kentucky does exist! We just don't know enough about it yet. A group called SKYWARN 2000 serves Louisville, with a web page at **www.qsl.net/af4nj** and a repeater on 146.70. And the Owensboro area is served by a 147.21 machine. We know there's more, and we're eager to hear from more KY SKYWARN hams.

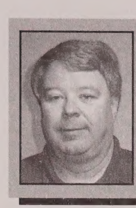
CHARLOTTE SKYWARN

A change in Charlotte NC SKYWARN contact info: WB4HRR's e-mail is wb4hrr@arrl.net, and they're up to 18 counties in their coverage area.

Perhaps we can make the SKYWARN map a regular RJ feature - maybe every other issue. Please continue to send updates to: editor@sera.org.


EARTH Watch
ARMY

***Above:** Jim Miller WA5TEF and Chris Marlin KD5EAY operate the SKYWARN station at TV-9 in Jackson, Mississippi.*
***Below:** WX4MRX, the Amateur Radio operating position at the NWS in Morristown, TN.*



TENNESSEE

REPORTED BY
BOB GAULT KD4NEC
221 CEDARWOOD TRAIL
CLEVELAND, TN 37312
KD4NEC@SERA.ORG

This quarter, Bob turns his column over to Greg Williams K4HSM who describes a backup power system he and a group of Tennessee hams built and used for Field Day. They call it "The Beast."

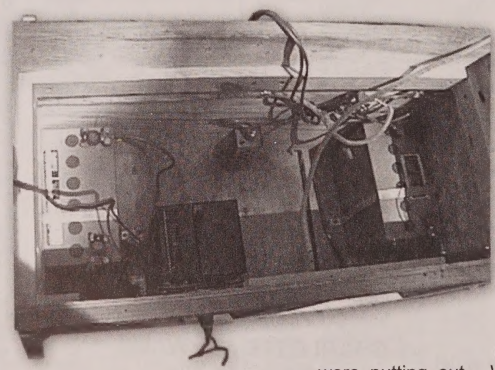
Last Summer, Moe Brewer KE4CQW picked up some spare items from his job that he wanted to combine for emergency communications. He had a shipping crate and 2 gel-cell batteries that were given to him by his employer, and some extra parts around his shack that he wanted to put together into one unit. He got with Eddie Henke KB9EBA who designed the circuit, and came up with "The Beast" as I call it.

Some of the other parts for the box include:

- Charger
- Relay (Double pole, Double Throw)
- Dummy load
- Antenna switch
- Wattmeter
- Ammeter
- 3-position power switch (single pole, double throw).
- Wheels and handles for maneuvering.
- Fans for air circulation

The object of the design was to create a transportable station for use in emergency communications that can run autonomously for an extended period of time as well as with an AC source to constantly recharge the batteries after being run to a certain point.

The two batteries are for keeping the load in near-constant, near-uninterrupted use for extended periods of time. A 3-position (on/off/on) switch is used to switch from one battery to the other. The wattmeter (hooked up to the battery in use) measures the load being pulled from the battery that the radio(s) use. The ammeter (hooked to the battery being charged) measures load on the battery when charged. When the ammeter measures zero amps then the battery isn't pulling any more current when it is fully charged.



One side-effect to the battery box is that we have not put a limiter on the charging circuit; therefore the batteries are in constant charge until switched into use. One way around this is to simply unplug the AC cord until the batteries are switched over. While inconvenient, it is the only alternative at this time until a cutoff circuit can be installed. Plus, when switching from one battery to another, there is a brief period of time when the power is off.

Another side-effect is that this box, while technically considered "portable", is HEAVY!!!! It takes at least two people to maneuver the box along moderate terrain. We showcased the box at a picnic last spring and it took four of us to carry it up a steep hill to the picnic area!!! While most of the weight is in the batteries themselves, the crate used was about 20 pounds empty. We estimate the box is well over 100 pounds fully built. Plans are in the works for a "version 2" which will be a much lighter crate and smaller batteries.

Also, note that there are 5 wheels - one turning wheel for the cover/makeshift table, and 4 on the bottom. It is currently designed with two stationary wheels in the back and three turning wheels towards the front including the wheel under the makeshift table. This was designed so that the whole box could be moved without the need for moving everything off the table, then picking up and moving the entire box, then placing everything back on again. We realize now that the box would have even better maneuverability with all 5 wheels able to turn instead of having stationary wheels in the back. Also, having at least 2 locking wheels will ensure the box does not run away on us while in use or while the operator leaves station for a period of time.

There was also a cover for the casing which housed two of Moe's radios, both of which have since been sold. The radios were built into the cover facing up. More or less the operator could stand over the box and monitor frequencies while talking on the mic and the radios were not taking up more space. We will be re-doing the cover for Moe's new radio (A Yaesu FT-100) soon by cutting to size some particle board and a couple of handles so that the box can be opened with ease.

So that there is no danger of the batteries building up a hydrogen gas potential inside the container, two fans (similar to the ones used for cooling computer towers) were installed into one side of the box, one blowing air into the chamber, and the other to blow air out, giving constant circulation.

The power connectors are the standard molex connectors used by many mobile 2-meter radios, but there are several inputs to wire up whatever kind of plug the individual radio may use. Since Yaesu's FT-100 uses a different type of plug than the molex we were forced to do some last-second wiring of the box to both my FT-100 and Moe's. However, built into the side of the box are ports that are in circuit with one another, one port for positive and the other for ground. Therefore, wiring for the radios was not a problem.

On the other side of the box are 3 female PL-259 connectors for antennas. One goes to a dummy load installed in the box for tuning. The other two are for input and output of whatever antenna we plug in. However, in testing the box a few weeks ago, we blew out the antenna switch, which was not rated for the power that we were putting out. We have since replaced it with a ceramic switch and it's held up a lot better.

"The Beast" had not really been put to the test until we ran it for Field Day. We set up at my house (since it was the only place where we could store the box for the time being) and we ran entirely off the batteries for Field Day as a 2-echo station. The performance of the box was outstanding. We had no problems using the box for Field Day (which is unusual considering that every Field Day op has a power glitch during the 24 hour period) and it was very stable throughout the time it was in use.

HAMFEST
CHATTANOOGA

October 26, 2002

Camp Jordan Arena
Chattanooga, Tennessee

ARRL Sanctioned

Climate Controlled Dealer Area
Inside and Outside Flea Market
ARRL VEC Exams
FREE Parking
RV Parking on Site
Motels conveniently located within minutes of Hamfest

Admission $5.00

9:00 AM to 3:00 PM

Talk-In Frequencies 146.79 (-) and 444.100 (+)

MAIN PRIZE

ICOM 746 PRO

Major Hourly Prizes

Visit the Scenic City of the South

Rock City/Ruby Falls
The Aquarium/Imax Theater
Chattanooga Choo Choo
Chickamauga Battlefield
Beautiful Fall Colors

For Further Information Contact:

Dealers and Info:

Contact: Barbarra Gregory
Phone: (423) 629-7911 (days)
892-8889 (evenings)
Email: WA4RMC@aol.com

Flea Market:

Contact: Lou Carter
Phone: (423) 821-4043
Email: KE4DGW@msn.com

Or write to:

Hamfest Chattanooga P. O. Box 23121 Chattanooga, TN 37422

Visit our webpage at: www.HamfestChattanooga.com

The Oak Ridge Amateur Radio Club, Inc.

Invites you to our

Oak Ridge Hamfest 2002

October 19, 2002

Saturday, 9:00 AM to 3:00 PM
Fraternal Order of Eagles Building
1650 Oak Ridge Turnpike
Oak Ridge, TN

Hourly and Major Prizes; Forums;
Commercial Dealers and Outdoor Fleamarket
New and Used Equipment - Parts and Components
Concessions - Free parking

Admission: $5.00

Dealers/General Information: David Bower, K4PZT, (865) 670-1503; d.bower@ieee.org

OAK RIDGE AMATEUR RADIO CLUB, INC.
P.O. BOX 4291
OAK RIDGE, TN 37831-4291

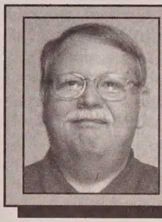
Talk-In: W4KSH: 146.88

Our Fest LOCATION: The Fraternal Order of Eagles building is located in Oak Ridge, TN on the Oak Ridge Turnpike (Hwy. 95), one block west of the intersection of the Turnpike and Illinois Avenue. From Knoxville, follow Illinois Avenue to the Turnpike and turn left (westbound) on the Turnpike. The Eagles building is on the right just past the East Fork Poplar Creek bridge. More info at http://www.kornet.org/orarc.

We were concerned initially about one of the batteries losing its charge but we were pleasantly surprised that both batteries were in fine working order. To ensure that the batteries were not over-consumed, we switched back and forth between the two about every two hours.

On a scale of 1 to 10, I give this an 8.5, the negatives being the weight and bulk of the box as well as the lack of cutting off the battery being charged. But the positives far outweigh the negatives in the amount of time spent on one battery for use, as well as the ability to charge one while using the other. The AC input is a common plug to be used since it is standard for most household and business-class desktop PCs. Since the box can "go anywhere" it can be customized for whatever the circumstances of its needed use are with little to no trouble. It handled two FT-100's and a spare Uniden HR-2510 radio for Field Day, so just handling one radio should be no problem for "The Beast!"

If you would like more information on this please e-mail me at k4hsm@etskywarn.net.



SOUTH CAROLINA

REPORTED BY

ROGER GREGORY W4RWG
102 PARTRIDGE RD.
UNION, SC 29397
(864) 427-1462
W4RWG@SERA.ORG

Hello South Carolina,

Summertime is here and along with that comes outdoor activities with the family and of course ARRL Field Day. Most of the clubs that send me their newsletters report successful events with a fine time and a lot of contacts.

The SERA Board of Directors held their Semi-Annual Meeting June 8 and 9 in Pigeon Forge, Tennessee. Jim WJ4C and I represented South Carolina. It was good to see our counterparts from the other states. There are many dedicated volunteers in our organization who work hard for the betterment of Amateur Radio. I am glad to be a part of the SERA and represent South Carolina for all of you.

My wife Kathy and I went on a cruise the week before the SERA Board meeting. We left from Tampa and went to the Grand Cayman Islands, Mexico, and New Orleans aboard the Carnival Cruise Ship *Sensation*. We had a great time, but we had to eat 8 times a day. Best vacation we ever had - just wish I had had a HF rig aboard. E-mail was expensive too.

The Blue Ridge Amateur Radio Society welcomes new members George Allgood W4GFA, Michael Smith KB8WRF, Tim Taylor KG4RAE, Brian Craig N4QNV, Bill MacIntosh VE1BMI, Ken Wilson K4DTY, and Misty Miller KG4SUG. The BRARS has had several guest speakers at their meetings including my friend Al Lark KD4SSF. Al spoke about his many contacts with the Space Station. We hope to have Al speak to the Union Club sometime in the future. Bill Christiansen KG4CPO spoke at another meeting about an antenna tuner he designed and is now manufacturing. The BRARS held Field Day this year at Gower Park in the City of Greenville. Johnny Allison WD4DYH was the chairman this year and according to Club President Philip Yanov K4PJY he did an outstanding job. WYFF-TV even came by and taped a segment for the news.

The BRARS mourns the death of Al Lemmons WA4LUQ on June 10, 2002. Al was a long time member of the club and was serving on the Board of Directors at the time of his death. I extend my sympathy to his family and to his club family. I appreciate the hospitality shown to me at the Upstate hamfest. I was glad to be there representing the SERA. I hope to be there again next year. The BRARS has a great webpage! Look at **www.brars.org**.

The Chester Amateur Radio Emergency Services Club held it's 3rd annual swapfest on June 15th at the Chester State Park. It was the best yet. I hope to see this swapfest continue to grow each year. Club President Joel Shockly K4TDG did an outstanding job in promoting this year's event. A lot of merchandise changed hands and I sold 4 associate memberships for SERA while I was there. Keep up the good work.

The Columbia Amateur Radio Club had Gerald Hensley K8AFP and Pat Hensley N4ROS to speak at their April meeting. Gerald is the ARRL South Carolina Section Emergency Coordinator. He spoke about emergency communications and outlined ARES and RACES pro-

GEORGIA

REPORTED BY

M. TERRY JONES W4TL
4816 WINDWALKER DR.
FLOWERY BRANCH, GA 30542
(770) 967-6364
W4TL@SERA.ORG

Terry's Column will return in November. Georgia clubs and repeater groups - please continue to send information!

Make Plans Now For The "Coolest Hamfest in Georgia"
At the Georgia Mountains Center

GAINESVILLE, GA

Saturday July 12, 2003

Air Conditioned, Covered Tailgating, Plenty of Free Parking

For advance information Email: w4tl@arrl.net
Web Page: www.lanierlandarc.org/hamfest.htm

grams and how they are organized in out state. Gerald's wife Pat N4ROS is ARRL Section Manager for South Carolina. She spoke about the goals of emergency communications and the need for more hams. She also talked about the ARES/RACES Nets on the first and third Mondays at 6:00 p.m. on 3993.5 kHz. Gerald and Pat do a great job representing the ARRL in South Carolina.

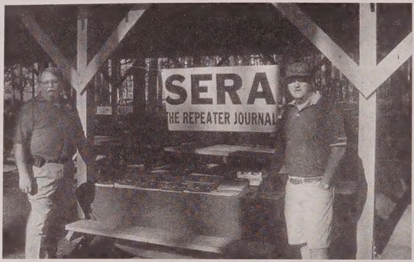
The May newsletter indicates the 146.775 Fort Jackson repeater is down for repairs. By the time you read this, it should be back up and better than ever. Please remember to send me your newsletters. Check out their new improved website at **www.kf4ghc.org**.

The Florence Amateur Radio Club welcomes new member James Morgan NA3Z. James is an Extra class operator and lives in Quinby, SC.

The FARC held Field Day this year at the Darlington County Recreation Dept. at Lake Darpo between Darlington and Society Hill. Everyone had a great time and a lot of contacts were made. The club thanks Marion (Jack) Jackson N4JJ for his great program on antennas. Jack attended the Dayton hamfest and made a video, which was viewed at the June meeting. After seeing the film, a discussion was held about chartering a bus for next year's event.

FARC mourns the death of one of its Pioneer members. Fred Schipman K4JXZ passed away the first weekend in May. He has been in a retirement home for the last 10 years, which made it impossible to be on the air, but he spent time listening. My sympathy goes out to his family and to the FARC members.

The FARC is in the process of writing a history of Amateur Radio in Florence County. I hope I will be able to obtain a copy when it is completed. Glad to get back on the mailing list. Thanks!



W4RWG and Tommy Williams KB4JCY hawking SERA and the *Repeater Journal* at the Chester SC Hamfest.

The **Foothills Amateur Radio Club** had a program on Internet linking at one of their recent meetings. David Tillotson AC4RZ was in charge of the program. His 444.925 repeater is linked to the Internet. He made a contact with his father in Florida from the meeting. Everyone enjoyed his presentation. The system, known as IRLP, can be checked out at **www.irlp.net**. The FARC assisted with the March of Dimes America Walk on April 27. Eleven members took part and all had a great time.

The Grand Strand Amateur Radio Club is taking an active role in this year's Multiple Sclerosis *Breakaway to the Beach* bicycle ride. The ride will take place on September 28-29 and will go from Lugoff to Florence the first day, and Florence to North Myrtle Beach on the second day. In the past, the club has made the 145.110 repeater available for communications support.

Longtime member Wanda France Kelly KC4IHC passed away at the beginning of the year. Wanda had MS and this year the club is actively supporting the MS effort in her memory. Club President Gordan Mooneyhan KE4HXL will be participating in the two day, 150-mile ride. The club is assisting in his fundraising efforts by placing donation jars at various businesses in the Myrtle Beach area.

Plans are also under way for their annual "Beachfest" on November 9th at the Red Cross Building on the Old Myrtle Beach Air Force Base. Good Luck Gordan!

The **Greenwood Amateur Radio Society has** it's 2-meter repeater is located atop Self Memorial Hospital on 147.165 MHz. They have a weekly net on this machine, which is sometimes linked to the local 145.13 MHz repeater. The net

The 30th Annual and Original
CHARLESTON HAMFEST
AND COMPUTER SHOW
SATURDAY, FEBRUARY 1, 2003

Notice: No firearms permitted on the premises by law. This hamfest is considered a family affair. The committee reserves the right to eject any inappropriate materials from the premises.

Prizes: $400, S200, & $100 cash. Door prizes during the day. **Activities:** Forums and Bingo. **Food:** World Famous C.A.R.S. Dogs and BBQ Sandwiches. **Volunteer Exams:** On site at 12:00 noon.

Admission Tickets: S5.00

Exchange Park Fair Grounds, Ladson SC
I-26 at Exit 203
Acres of Free Parking
Talk in - 146.79, 145.25, and 147.045
Doors open at 8:30 am
Details, see announcements at http://www.qsl.net/wa4usn
or contact Jenny Myers, WA4NGV
2630 Dellwood Avenue, N. Charleston SC 29405-6814
(843) 747-2324 or email: brycemyers@aol.com

Charleston Amateur Radio Society Inc.
Charleston, SC
email: WA4USN@AMSAT.ORG

The Grand Strand Amateur Radio Club proudly presents

beachfest 2002

November 9th
7:00 a.m.—2:00 p.m.
Red Cross Building Old Myrtle Beach AFB
*** * * * Myrtle Beach, SC * * * ***

Contact Information:
Don Knotts
Co-chairman
[843] 448-6916
Gordon Mooneyhan
Co-chairman
[843] 448-9379
Email:
beachfest2002@w4gs.org

Talk-in 145.110
www.w4gs.org

Admission ONLY $1.00
Per Person

VE TESTING:
11:00 a.m.
GLEN BOWDEN
W0RXR@w4gs.org
For Information

Beachfest Grill:
Sausage Biscuits 7:00-until?
Hot Dogs, Hamburgers, Coffee,
Soda…and of course
OUR WORLD FAMOUS
HOT BOILED PEANUTS!

Lodging Recommendations:

Sportsman Motor Inn
1405 S. Ocean Blvd., Myrtle Beach
[843] 448-4311
1-800-334-5547 Toll Free for Beachfest Reservations

Water's Edge Resort
1012 N. Waccamaw Dr., Garden City
[843] 651-0002

Huge Outside
Flea Market
ONLY
$5.00 per
Parking Space

Hourly Door Prizes
Food, Fun & Fellowship
What more could you ask for in a hamfest?
We look forward to seeing YOU
at Myrtle Beach on November 9th!

is held every Thursday at 9:00 PM. Please send me your newsletters.

The **Salkehatchie Amateur Radio Society** has been having some interesting meetings. Ray Thomas WA4OMN showed everyone how to build a crystal radio, and Steve Naglic N9NWS from the National Weather Service conducted a Skywarn Class in May. The SARS held Field Day at Blackville-Hilda High School in Blackville, SC. Adam Hoffman Af4QZ was the Field Day Chairman this year.

The annual tailgate party was a success for the club and everyone that attended enjoyed the event. The SARS holds a net each Monday night at 8:00 p.m. on the 147.030 repeater.

The Spartanburg Amateur Radio Club welcomes new members Richard McAlbee W4MTK, Ronald Ford KG4RTY, Rusty Coleman KU4ZS, and Patricia Elliott. Patricia is the Director of Community Services at the Piedmont Chapter of the American Red Cross. She is at the present unlicensed, but is being encouraged to get her license. I see that my friends Maxie Hutchins N4ENQ, and Lester Kennedy Sr, KF4GGM are now "Life Members"of the SARC.

I mentioned in the last article that the SARC was celebrating their 50th Anniversary this year. What I didn't know was *they still have two Charter members active in the club* - Charles Rogers W4LNO, and "Fritz" Nitsch W4NTO. I congratulate both of you. The SARC had 30 members participate with Field Day this year. I think that is great!

The Sumter Amateur Radio Club has set a date for their 2002 hamfest:

Date: Saturday, October 26
Time: Doors open from 0800 – 1600
Location: Sumter County Fairgrounds, 700 W. Liberty St, Sumter, SC. Centrally located in South Carolina, about 15 miles West of exit 135 on I-95. 1 hour from Columbia, 2 hours from Charleston, Myrtle Beach or Charlotte. (Reprinted from webpage) Send me your newsletters.

The Union County Amateur Radio Club has a new set of duplexers for the 442.100 repeater. With the addition of these duplexers, the repeater is now up to "Amateur Standards." We are glad to see that Jane Garner KF4YQS is home and doing well after surgery. I extend my sympathy to Jim Hord N4UJH due to the death of his Mother-In-Law, and to Bill W4DBH and Net Hembree KF4YQT for the loss of "Cuzz".

The Union WCARS VE Team gives Amateur tests in January, March, May, July, and September on the 2nd Thursday at 7:00 PM at the Union County 911 Center at 414 South Pinckney Street. Amateur tests are also given each year at the Union hamfest in December. The 2002 Union Hamfest will be held at the Union County Fairgrounds on Saturday, December 7.

The York County Amateur Radio Society welcomes two new members: Ted Valley KE6AGB, and Wes Keenan KF4BSB. Several members joined forces at the EOC Building in Rock Hill on the 5th and 6th of June for two simulated emergency drills. Van Brown KG4LUT, Don Lewis AE4TY, Brook Todd K3PEN, and Ted Valley KE5AGB participated by taking check-ins and passing traffic during the drills.

Field Day was held at the YCARS Club House on Squire Road in Rock Hill on the 22nd and 23rd of June. Mike Croft KG4LUS, did an outstanding job filling is for Henry Berry this year as field day chairman. Forty-three members and guests signed in on the roster. There were 381 contacts made, with a total score of 732. Betty Grainger KF4EIS, and Sheila Parrish KG4CDF hosted a hot dog and hamburger supper for all of the members and guests on Saturday afternoon as part of field day activities.

The YCARS is very fortunate to have Dave Tayloe WB4OZU, as their Program Chairman this year. Programs are presented the 4th Thursday of each month at their regular meeting. On the 23rd of May, Mr. Jim Weaving of the American Red Cross in Rock Hill presented a program on Disaster Services, Regulations, and Procedures. At the June 27th Program, Dr. Marc Tarplee N4UFP, presented a program entitled *Ultimate DX Experience: Mars.*

Even though the Hamfest is still several months away, Chairman Billy Hallman KG4GSE is busy getting everything up and going! The York County Hamfest, will be held at Knight's Stadium again this year, on the 5th of October. This will be the 2nd year that the club has been able to offer breakfast and lunch. Gates will open at 6 A.M., and Jerry Croft WS4E, will have VE testing available at 10 AM. Information on the hamfest can be obtained by contacting Billy at bhallman@cetlink.net, or by telephone (803) 366-6906.

The YCARS mourns the death of Clare Wallace Eldridge WA4PLR, known by friends and family as "Pedro. Mr. Eldridge passed away on May 26th. He was a "Life Member" of YCARS, and will be missed by all. I extend my sympathy to his family and to the YCARS.

Since the last issue of the SERA *Journal* the following South Carolina Hams have received coordination for **NEW REPEATERS**. They are:

John Tombaugh KI4D
53.250 in Rock Hill;

Jack Wood KI4CB
444.925 in Georgetown;

Phil Shreves N7GZT
147.345 in Charleston;

Phil Shreves N7GZT
146.94 in Charleston; and

Murray Baughman WA4MPZ
442.675 in Bluffton.

I hope to hear some of these repeaters on the air real soon. The SERA was glad to assist you with your repeater project.

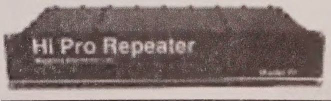
I would like to make a request to ***all*** repeater owners in South Carolina that are not SERA Full Members. Wouldn't you like to have a smiley face next to your repeater listing? Send the SERA your full membership dues today. Lets make South Carolina 100 %. We need your support and with full membership, you and your designee will receive the Repeater Journal for as long as you are a full member.

Would you like to see news from your club in the journal? All you have to do is to send it to **w4rwg@sera.org**.

73 Roger, W4RWG

MAGGIORE ELECTRONIC LAB

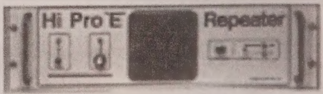
TWO YEAR WARRANTY



Starting at
$639 VHF / $699 UHF

Hi Pro Repeaters

Call or Check Our Website for Specials



Starting at
$1450 VHF / $1525 UHF

Specializing in Repeaters, Links, Crossband Repeaters, Receivers and Transmitters. [Separately or in Housings]

MAGGIORE ELECTRONIC LAB, 600 WESTTOWN RD., WEST CHESTER, PA 19382
PHONE (610) 436-6051 FAX (610) 436-6268 http://www.hiprorepeaters.com

NORTH CAROLINA

REPORTED BY
MIKE LEWIS WA4KE
3401 APPLE MEADOW DR.
FUQUAY-VARINA, NC 27526
WA4KE@SERA.ORG

High Point Amateur, Radio Club (HPARC) Roy Neal, K6DUE, gave the program for the April meeting. He showed excerpts of videos of astronauts Owen Garriott and Tony England. Roy also updated on the Ha ommunications aboard the International Space Station.

CFARS David KR4OE reported Saturday, August 10, 2002 has been locked in for the Swapfest. The swapfest will be held in the lobby of Reeves Auditorium at the Methodist College. David requested the membership to think about possible donations for the "junk" (or "junque") table, as it has been very profitable for CFARS in the way of monetary donations.

JARS member, KC4WCD sponsored a JARS Radio Camp Out during May on the K4MCP estate and resort. A number of hardy JARS outdoor types set up camp for a fun weekend to prepare for the upcoming Field Day. Van Bob KM4TC provided the Field Day site for the JARS annual ARRL Field Day.

Guilford Amateur Society has a repeater located at the 1400-ft. level on the WFMY TV 2 tower, in Level Cross, NC. The tower rent is a gallon of gas and an hour of time to cut the grass around the tower base. John Shultz K4JBS is asking volunteers to help cut the grass at the site. Bob Clark WD4ACR of the Guilford Amateur Society received recognition for his volunteer work at the Servant Center in Greensboro. This organization helps disabled people who need health care in Greensboro to get back on their feet.

TEARA's Frank Lynch W4FAL received the ARRL Service Award for outstanding service to the amateur radio community at the RARS Hamfest on April 14 in Raleigh. Bill Edwards K4BWC and Roanoke Division Director Dennis Bodson W4PFW presented the award on behalf of the League. Frank also serves as frequency coordinator for NC repeaters, as well as being active in other activities of the Southeast Repeater Association (SERA). He is also a founding member of the **Smith Chart Society**, an ARRL affiliated service club, and a member of the TEARA VE Team.

TEARA was awarded the club call KG4TDC by the FCC on May 6, 2002. Receiving this call was the first step in obtaining the call of Calvin Dempsey, WA4UQC (SK), as a memorial call for the club.

Ronnie Reams WA4MJF has been appointed as an Official Emergency Station (OES) by the ARRL. Appointment as an OES connotes a significant commitment on the part of the appointee, as indicated in the ARRL's description of the details as listed on the ARRL website.

The **Onslow Amateur Radio Club** WD4FVO sponsored a special event station to mark the opening of the North Carolina Opry and relocation of the WSMO studio.

The **Tri-County ARC** had a 3A Field Day set-up. This set-up included a GOTA station operated by novice, technician, or generally inactive hams under their existing operating privileges, or under the direction of a control operator.

Tri-County ARC Newsletter edtor Harry WW4HF gave a report on the Kitty Hawk trip. Those who were present were awarded their certificates for working the station. Harry said he and John KF4QDS had 200+ contacts while there. The trailer with the beam aboard worked like a charm. Good job, guys.

The **Randolph ARC** took first place in the NC QSO party, club division. Second place went to their neighbors, Tri-County ARC. The Randolph ARC sponsored a special event station at the Warbird Air Show and D-Day Commemoration.

TAARS had a demo table at the Hurricane Awareness Day 15 June 2002 1000-1700 at the Southgate Mall in Elizabeth City Sponsored by the Greater Albemarle American Red Cross

Columbia Regional Repeater activities include a Sky Camera sending pictures of Rt. 64 via the ATV repeater. The 146.835 voice repeater worked overtime during the Tour de Cure Bike race on Sunday April 21st. The CERA meeting was held in Columbia on 11 May 2002. The Peet Bros Weather station has been installed.

Carolinas Chapter of the Antique Wireless Association had their Spring Swap Meet on May 11, 2002, at the North Carolina Transportation Museum "Historic Spencer Shops," Spencer, NC.

The BrightLeaf Amateur Radio Club was invited by the Red Cross to take part in their Hurricane Awareness Project at the Lowe's/Carolina East Mall in Greenville. The Red Cross suggested this set-up since at least 67 amateur radio operators assisted with the Hurricane Floyd flooding in eastern NC during 1999. BARC also participated in the Farmville Dogwood Festival by setting up a Special Event Station.

W4QI was granted to Dave Langley W4YDY who is the trustee for the **Holland ARS** in Greenville, NC.

The **Tar River Amateur Radio Club** held Field Day at the Bridgersville Campground in Bridgersville North Carolina. Many thanks to hosts, Mr. & Mrs. Jimmy Bridgers and Rod N4BNO & Peggy Bridgers, for putting up with them another year.

Amateur Radio had a prominent display at the Raleigh Hurricane Preparedness Fair, sponsored by the Triangle Chapter of the American Red Cross and Lowes Home Improvement Warehouse in northwest Raleigh. **Wake County ARES and Central Carolina SKYWARN** set up displays and demonstrations. Photos are posted at **www.rars.org/gallery.**

Commercial Printing Service

We Proudly Print The Repeater Journal!

"Your Complete Offset Printing Source"

General Printing, Full Color Printing, Copying, Binding, Collating, Padding, Quik Copy, Laminating & More!

Let us handle your Typesetting and Printing needs for Brochures, Letterheads, Envelopes, Booklets, Newsletters, Programs, Forms, Flyers, Price Sheets, and just about any other thing imaginable

902 Graves St.
Kernersville, NC

Call for Information: (336) 993-2846

END YOUR SEARCH FOR THE BEST.... DEAL WITH DENTRONICS

WB8QWL@JUNO.COM

LOOK NO FURTHER! DENTRONICS HAS.....

- *KANTRONICS*
- *MFJ*
- *PAC COMM*
- *DIAMOND & LAKEVIEW ANTENNAS*
- *AEA PRODUCTS*
- *ALINCO RADIOS*
- *AND MORE!*

All products currently in stock for immediate delivery!

ORDER LINE

810-659-1776

DENTRONICS

AMATEUR RADIO & COMPUTER

6102 DELAND RD. • FLUSHING, M 48433
Fax: (810) 659-1280

As the SERA Frequency Coordinators perform magic tricks trying to cram repeaters in every nook and cranny, PL tones are becoming the standard to reduce interference. Many people wonder why PL tones are required on their repeater and why they should be required to learn how to program PL tones into their radios. An excellent instance of requiring PL tones, or in this example, DCS tones, is the use of FRS radios on a cruise ship.

My wife and I took our first cruise and we took our FRS radios with tone encode. The rest of our party used the FRS radios without the tone encode. This resulted in the rest of our cruise party having to listen to a herd of kids wanting ice cream or needing more money, while my radio only allowed my wife and I to talk to each other.

Contrary to my mother-in-law's opinion, I really didn't hear her. She just didn't have the proper tone to reach me. Moral of the story: Pick up the radio manual and learn how to program the PL tone with associated repeaters. Also, if your radio did not have PL encode provided with it, it's probably time to upgrade to a modern HT.

Club trustees and newsletter editor, please contact John Covington, W4CC, at w4cc@arrl.net, to update the NC ARRL website. The information posted in the Journal typically is obtained from the clubs' website and newsletters. Please continue to send the news to wa4ke@sera.org. ■

***New* SERA Information Line**

888-HAM-SERA

Calls answered by SERA Secretry Alex Hedrick N8FWL. No answer? Leave a message and he'll call you back. Or send e-mail to help@sera.org or info@sera.org.

Charlotte Hamfest and ComputerFair

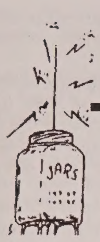
The Mecklenburg Amateur Radio Society Says:
Thanks for a great 2002
Be sure to mark your calendar for
March 8 & 9, 2003 for the next
Charlotte Hamfest and ComputerFair

Get more info: www.w4bfb.org

DEALERS: Check out our Early Bird Specials!

40,000 Sq. Ft. of Commercial Dealers,
80,000 Sq. Ft. of Indoor Fleamarket
Exams, Fabulous Forums, Great Prizes, Bingo
Freedom and Independence Halls
Charlotte Merchandise Mart
2500 E. Independence Blvd.

W4BFB



14th Annual **JARSFEST 2002** ARRL Sanctioned Hamfest

SUN. NOV 17
8:00 A.M. TO 4:00 P.M.

AMER. LEGION COMPLEX Hwy. 301, N. BENSON, NC

Adv. Reg. $4.00 — At Door $5.00 — Child (Under 12) Free, With Adult

Talk-In On 147.270 + 600

BUY, SELL, TRADE *Plus* EXAMS, DEALERS, FOOD

DRAWINGS: GRAND PRIZE – DUAL BAND 2 MTR/70 cm Transceiver

2nd PRIZE – Two Meter Mobile

INSIDE TABLES FOR RENT (All Spaces Sold Out The Last 6 Years)
Inside Set up: 6:00 AM, RESERVE YOUR SPACE NOW

GREAT FOOD
Biscuits – Burgers – Dogs & More

Out Door Tailgating
OPENS 6:00 AM

NOTICE
Due to local ordinances and club policy, neither weapons nor pornographic material may be displayed or sold at the JARSFEST site.

Local Lodging:
DAYS INN (919) 894-2031 & DUTCH INN (919) 894-7562

EXAMS BEGIN: 10:00 AM (SHARP)

Amateur Radio Exams (Courtesy of RARS VE TEAM)

WALK-INS ONLY. Bring your completed FCC Form, photo copy of your current license (if applicable), and photo ID. Cost payable at test site by cash or check.

To Reserve Space or More Information Call: (919) 894-3352, 894-3100, (7:00 PM – 10:00 PM)
E-Mail: blambert1@mindspring.com

Please Print Clearly **JARSFEST 2002 Pre-registration** Make Checks Payable To JARS

NAME ____________________ CALL __________

ADDRESS ______________________________

CITY ____________ STATE __________ ZIP ________

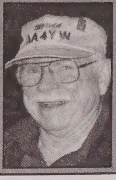
PHONE (____) ______________

______ Pre-registration Tickets @ $4.00 ea. $ ________
______ Indoor Fleamarket Tables @ $10.00 ea. plus registration $ ________
______ Outside Tail Gate Spaces @ $5.00 ea. plus registration $ ________

Pre-registration Requests Received Without An S.A.S.E. Or After November 6th Will Be Held At The Door

Johnston Amateur Radio Society, Inc. P.O.Box 302, Benson, NC 27504
http://www.jars.net

Let's Look at it- this way!!



Marvin Whatley AA4YW
4010 Schooner Circle
Oriental, NC 28571
(919) 249-0047
aa4yw@sera.org

You Took the Road Less Travelled?

There was a recent survey on *eHam.net Survey* concerning whether the FCC should eliminate the CW requirement for an amateur license. WA4DOU, who read my article in the Feb issue, thought I might be interested (I was) and sent me a huge pile of stuff. There were pages and pages of comments all with strong feelings - including those who felt strongly that this was an inconsequential matter. The survey showed (insofar as an accumulation of solicited responses can) that there were twice as many hams in favor of leaving the CW requirement as abolishing it.

I was struck by the wide range of opinions expressed on both sides, the wide range of eloquence in expression, and the even wider range of understanding of the issue. There were many good points made, including some with which I could agree. From perusal several things emerge:

1) The VE testing system in place provides no assurance that new licensees understand anything about the subjects nominally covered. From my own experience as a VE I know that not all who sit for the tests pass, and some who pass have mastered the material well, but many who pass haven't. Anyone of average intelligence who is willing to put in a little time cramming could pass without knowing the difference between a megacycle and a conch shell. The survey seemed to show this as a consensus.

2) Those who drive the ARRL and the FCC clearly favor opening the gates to fatten the ranks of amateur radio. Their justification, of course, is that this is necessary to hold our allotted frequencies. Some question the implications of this logic and suspect ulterior motives.

3) The removal of a CW requirement would make it easier to get a license and therefore, at least in the short term, increase the number of hams.

4) Many survey responses made the very good point that you don't need to know CW to be a good operator. It further seems that you don't really need to know the theory of radio to be a good operator. In fact, if you generally behave yourself, you don't really need to know anything to be a good operator. This is true, of course. If you have a congenial nature, buy only high quality equipment and read the instruction manuals carefully a technical understanding is redundant. (It was pointed out that bad operators were uniformly distributed over the bands and classes.) The implication was that if all hams were good operators we would have an ideal hobby.

One reflects that when CW was necessary and a No-Code license was proposed, a majority of hams resented this. "If I had to pass that test, then these new fellows should also." After the ranks were filled with No-Code techs, surveys showed that a majority of licensed hams thought that the FCC did the right thing. Then, when 5 wpm for general class privileges was suggested, the consensus was, "If I had to pass that test, then these new fellows should also." After a few years with the adjusted requirements a majority of licensed hams thinks that the FCC did the right thing. In the face of a proposal to eliminate CW entirely, the survey shows, "If I had to pass that test, then these new fellows should also." As I read the writing on the wall, the CW requirement cannot survive more than a few years. When a majority of hams don't know what a key is, a majority will feel that the FCC did the right thing.

The few responses to the survey with which I could not agree were those who thought it would make no difference. When you diddle with the rules you redefine the game. Chaos theory gives us the butterfly effect which points out that even a small change can influence a sequence of events to cause large effects. No one supposes that our hobby can be frozen in time: it will change dramatically as technology and the world change. The rate of change is the highest it has been in human history. Anyone who thinks that the present day new ham has anything in common with the pioneers who built their own rigs and were strong on tinkering and innovation just haven't being paying attention. The question is, "Over the next few decades, what should Amateur Radio be?" Each response to the survey says (and in my most selfish mode I say) it should be that which will bring me, personally, the most enjoyment.

Well, we're not going to get very far that way.

A lesser question might be "What could Amateur Radio be that might survive?" Among the things that it is certainly not going to be is "a communications resource that can be invoked when everything else fails." Fifty years ago Western Union delivered telegrams, telephone service was carried across country by wires and communication facilities were vulnerable.

Today local police, emergency squads and even pizza parlors have their own radio systems and cell phones are a toy for high school kids. Although ARES conducts regular drills and exercises and on occasion makes a contribution, such occurrences are now more rare and problematical. A general communication failure is a fiction that very few, even in ARRL, really believe. Nor is it going to be a "Resource of proficient people skilled in radio technology" upon which the nation can draw. We've already blown that away.

No one's crystal ball is very good these days and, among the many serious upheavals in our political and social structure coupled with technical advances that many think are fantastic, it's impossible to know in what future environment amateur radio will exist or what effect proposed regulatory changes might have.

From the continuum of possibilities I can imagine poles. Amateur radio might be an aggregation of those who like to play with "high tech" electric digital toys, using technology spun off from the private and military sectors and modified for use on the radio frequencies to which they feel a special entitlement. It would be possible to send multi-media material via radio signals, perhaps amalgamated with internet or whatever, using equipment and software packaged and distributed by vendors on-line. Results would be nearly as good as that available to the general public from commercial servers.

The "technology" would be presented as an endless cascade of revisions providing a perpetual challenge to hams. It would be slick enough to appeal to those brought up on "Gameboy" and "Nintendo." The hobby might gather enough members to support a small industry and the ARRL, but not as many as optimistic thinkers of today might like. The technical requirements for an operating license would be minimal and generally the same as those necessary for operating a computer: knowing which icon to click to make it do what you want.

At the other extreme amateur radio could be a rather smaller collection of those who still use analog systems, who build their own antiquated rigs or modify or rebuild relics. They would strive to regain the ambiance of the pioneers and would operate mostly on CW or SSB. The technical requirements for a license would be very strict including an understanding of the principles of electronics and electromagnetic radiation (which, strangely, would not change), and those who attained it would feel the pride of belonging to an elite group. There would still be an ARRL, but it would be a drastically different organization. In order for this to have come about a coup d'etat would be necessary and much blood spilled in Newington.

Why should the government/people suffer either of these alternatives to survive?

In the first case there would be several individuals with political ambitions that could parlay the support of such a group to their own advantage and would nurture them to this end. Such men are good at fabricating supposed virtues and selling them to the public.

In the second alternative you have a museum, dedicated to the preservation of values and techniques neglected in a frantic world of spectacular electronic folderol. We have hobbies devoted to the preservation of steam locomotives, sailboats, quilting, pottery and myriads of other obsolete technologies. Conservation is recognized as a general virtue and is consistent with popular trends. As to the allocation of frequencies, the ham bands actually take up only a few percent of the lower frequencies, and most new applications are moving to higher frequencies on which we must admit to a most tenuous hold. We would lose some, but we might retain some as a sort of public "park" or preserve.

Do these alternatives seem ludicrous to you? Perhaps. The loss of CW is a step to somewhere, and because tomorrow appears bright we presume that the world will be ever better. When your eyes recover from the glare of the digitally enhanced fireworks and you look further down the road, what do you see? Consider the new play toys of the amateur today, where they came from and where they are going. Then look at the world around you. Digital technology will certainly dominate all communication in the future, but, from a dead realistic point of view, what kind of role is there for amateur radio?

Journal Reader Says:

IRLP Is NOT Ham Radio!

Referring to the article on the IRLP (Internet Radio Linking Project) in the November 2001, *Repeater Journal,* the question is asked, "Is this ham radio?" You said that some hams are saying its not.

I'm one of those hams who would say its not.

Amateur radio is not well understood even by many hams. It is a service of

1) self training

2) intercommunication

3) technical investigation

Communications is a byproduct of what we do. The "technical investigation" is what we do.

Somewhere along the way, it was decided by some that we needed large numbers of folks in amateur radio and the standards by which we were licensed were downgraded so as to achieve those larger numbers. As a result, amateur radio's complexion changed from being HF-centric to being VHF/UHF-centric.

Largely the VHF/UHF-centric newcomers are merely interested in radio as an "entertainment" medium and are therefore interested in anything that furthers that end. Its really no great wonder that they therefore would see IRLP as a breakthrough, a technological breakthrough, in the ability to communicate. These are the same folks who believe the Internet is also a great technical marvel, to that end.

There are those who would say that guys like me look down on the modern crop of hams who reject CW, HF, DX, etc. They say guys like me are driving away folks and that we're "elitests" and stimulating a class system within amateur radio.

We reject that notion, preferring instead to believe that newcomers who reject traditional amateur radio and find their "be all and end all" within the realm of easy licensing as a tech no-coder, who prefer to redefine amateur radio to suit themselves, have, in fact, distinguished themselves as a "new class" of critter.

IRLP is just the Internet with a radio theme.

73, Roy Lincoln WA4DOU

KN4AQ Replies: It sounds to me like Roy is unhappy with repeaters in general, not just IRLP.

There's no question that FM/Repeater operation can be an easier side of Amateur Radio, but it does present challenges. More than one old-timer has yet to understand tone squelch!

Until the IRLP came along and linked repeaters worldwide, a ham who wanted the excitement of DX needed to build a somewhat more elaborate station and learn some more sophisticated techniques. No brain surgery here, but more than an HT hanging from the belt.

Will the IRLP satisfy ham's innate craving for distant contacts, or stimulate no-code Techs to upgrade and work more? So far, I've seen some of both.

Some hams have decided that FM and repeaters is as far as they want to go (for now, maybe forever). I don't have a problem with that. Many of them jump into public service with both feet, as worthwhile to me as a spot on the DXCC Honor Roll. ■

SERA Repeater Journal Advertising Rate Card

NO. 30 - Effective 1 January 2001

ADVERTISING SIZES & RATES

Full Color Covers Bleed 8.125x10.75"	$425.00
Full-Page 7-1/4x9-7/8"	$160.00
Full-Page Bleed 8.125x10.75"(+1/8 bleed)	$185.00
2/3-Page (V) 4-3/4x9-7/8"	$120.00
1/2-Page (H) 7-1/4x4-7/8"	$88.00
1/2-Page (V) 4-3/4x7-1/2"	$88.00
1/2-Page (V) 3-1/2x9-7/8"	$88.00
1/3-Page (V) 2-1/4x9-7/8"	$65.00
1/3-Page (H) 4-3/4x5"	$65.00
1/4-Page (V) 3-1/2x4-7/8"	$52.00
1/4-Page (H) 4-3/4x3-3/4"	$52.00
1/4-Page (H) 7-1/4x2-1/2"	$52.00
1/6-Page (V) 2-1/4x4-7/8"	$36.00
1/6-Page (H) 4-3/4x2-1/2"	$36.00
1/6-Page (H) 3-1/2x3"	$36.00
1/12-Page (V) 2-1/4x2-1/2"	$20.00
Spotlight Page -2-1/4x1-1/8 (4 Issues)	$30.00
SPOT COLOR (each ad/page)	$50.00
SPOT COLOR (Dbl 2-pgs side-by-side)	$50.00

2nd Color usually bright Red with/black

INVOICING & AD INSERTION ORDERS

DEALERS: With a volunteer staff we do not send out and receive advertising contracts and notices. Quarterly dealer invoices, after insertion, will request information pertaining to future insertions. If no instructions on the paid returned invoice copy are received, the ad will be repeated and invoiced the upcoming quarter.

HAMFEST: Advertising must be ordered each edition for insertion. Payment must accompany insertion order/advertising copy for Hamfest ads.

ADVERTISING PAYMENT POLICY

ADVERTISING INVOICES - are due upon receipt. Unpaid invoices will require us to withhold publication of any additional ads until account is paid in full. First time Advertisers, Hamfest advertising and Spotlight Page Advertising is to be paid in advance - Please submit check with order.

SPECIFICATIONS & GENERAL

ADVERTISING SIZES - All are listed above and calculated width by length in that order. Ads received that do not fit dimensions will be adjusted to the desired ad size if original will proportionally adjust. There is no charge for this service.

We can take camera-ready positive photoprint, pasteup or Laser print ad copy or appropriate electronic transfer (call first for this means).

FULL COLOR COVER ADS, when available, are to be sized for full 8.125x10.75 bleed. 150-Line screens preferred. Must be submitted on CD in a digital format capable of being used by our printer. Color Match Proof, Color Key or Pre-printed tearsheet should accompany.

INSIDE DISPLAY ADS - Design, typesetting & layout is available at no charge for advertising to be run in the Repeater Journal. Proofs will be available for ads that our Sales persons construct with time for telephone or email corrections. No proofs may be available for ads submitted after deadline, due to staff and time limitations.

The Repeater Journal cannot be held liable or responsible for errors in advertising, or to the quality or accuracy of advertising claims.

WHERE TO SUBMIT ADS

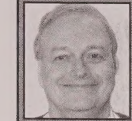
All advertising copy and insertion orders should be sent to the Journal Advertising Department:

Mike Lewis WA4KE
Repeater Journal Advertising Manager
3401 Apple Meadow Dr.
Fuquay-Varina, NC 27526
919.552.9118 h 919.549.1561 w
wa4ke@sera.org

AD & COPY DEADLINE DATES

Ad copy deadlines are normally the 1st of the month, prior to month of publication. The Repeater Journal cannot guarantee publication of any advertising that arrives after deadline unless prior arrangements are made with the Ad Department.

FEBRUARY ISSUE - January 1
MAY ISSUE - April 1
AUGUST ISSUE - July 1
NOVEMBER ISSUE - October 1 ←



Nostalgic Wavelengths

DAVID BOWER K4PZT
P.O. BOX 10145
KNOXVILLE, TN 37939
9423) 670-1503

Tracing Our Heritage

We only need go back about one hundred years to reach our roots in radio communication. It was born with spark, coil, capacitance and lots of long wire stretching to the sky. Those first spark gap transmitters were something out of science fiction, with high voltage and corona discharge tantalizing our sense of sight and smell. Receivers were simple crystal cup detectors with cat whiskers for locating the most sensitive spot for reception. And the communication mode was basic enough; consisting of simple dots and dashes to convey intelligence.

It's important to preserve our heritage of communication so we can both look down the road we have taken, and look ahead to the future of radio communication. Located on the edge of the Great Smoky Mountains in North Carolina, one can visit the **Southern Appalachian Radio Museum** near Asheville.

The museum is sponsored by Chapter #145 of the Quarter Century Wireless Association (QCWA) in cooperation with the Asheville-Buncombe Technical Community College. Such giants from the past as a 1924 Atwater-Kent "Big Box" receiver, Crosley, Philco, and a vintage Navy Spark Gap Receiver grace the display cases.

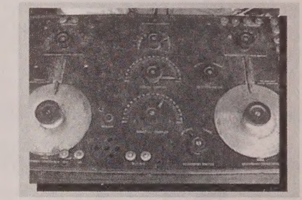
Visitors can relive the history of amateur radio as they view exhibits of Harvey-Wells, Hallicrafters, Heathkit, Hammarlund and National. One can see early radio communication publications, pictures, and gaze at QSL cards from years ago.

If you have an older piece of equipment from years ago, how about dusting it off and considering a donation to the museum. The Southern Appalachian Radio Museum operates as a 501(c)-3 non-profit entity as approved by the IRS, so contributions (monetary, equipment or other related items) are generally tax deductible. The museum is also interested in old amateur radio and electronic magazines, telegraph keys, vintage catalogs and QSL cards, and other items related to early amateur radio and electronics.

The admission is free and museum hours are Wednesday afternoons from 1 pm to 4 pm, but other times can frequently be accommodated by contacting one of the volunteers in advance. It's located near Biltmore Estate House and Gardens and other scenic attractions, so it's a great place for the entire family to visit.

Southern Appalachian Radio Museum
www.saradiomuseum.org
Open Wednesdays from 1-4, or for special appointments, contact:
Carl Smith N4AA
n4aa@dxpub.com 828-683-4251
John Travis W4QCF
jtravis@buncombe.main.nc.us
828-298-1847

Museum President Carl Smith N4AA operates W4AFM on opening day.



This 1918 vintage Navy Receiver is one of many items on display.
Below - a wall of equipment from the earliest days of radio through the 70's.

What's Amateur Radio Worth to You?

Yes, Amateur Radio is important to me and I want to be part of its future. Please enroll me as an ARRL member and rush my first issue of *QST* and membership certificate.

Class of License Call Sign Date of Application

Name

Address

City State Zip

If you do not want your name and address made available for non-ARRL related mailings, please check here ☐

Please Check:
☐ Sign me up for a one-year membership at $34.
☐ I'm eligible for a one-year, $28, 65 years or older rate.
My date of birth ____________
☐ Payment Enclosed
☐ Charge to ☐ VISA ☐ MasterCard ☐ Amex ☐ Discover

Card Number Expiration Date

Cardholder's Signature

To order toll-free by phone, call 1-888-277-5289

Family, Blind and Life Memberships available. If you are 21 years old or younger, a special rate may apply. Call or write ARRL HQ for details.
DUES SUBJECT TO CHANGE WITHOUT NOTICE

ARRL • 225 Main Street • Newington, CT 06111-1494 tel: 860-594-0355 fax: 860-594-0303
Join on the web: http://www.arrl.org/join.html

Allen 2000

KENTUCKY

REPORTED BY
FRANK BELCHER KS4XL
PO BOX: 1442
ELKHORN CITY, KY 41522
ks4xl@sera.org

New Kentucky *RJ* Correspondent!

The *Repeater Journal* is proud to announce the appointment of a new correspondent from Kentucky! Thanks to recruiting efforts by Mike McCowan K4ITF, the Kentucky Director, our new author is Frank Belcher KS4XL, from Elkhorn City.

Now, Elkhorn City is about as far east as you can get and still be in Kentucky. That means we can probably appoint Frank as the West Virginia correspondent, too. And what it really means is that you SERA members over in Hopkinsville (Phil, Gerald?) and Paducah (Barry?) need to get him information on what's happening in your part of the state.

Come to think of it, you guys need to get some more SERA members signed up, too! You're the *only* members we have in Hopkinsville and Paducah! And things are a little puny in the rest of the state, too! Maybe getting some more KY News into the Journal will help with recruiting?

But seriously, folks, news from SERA states is an important part of the Journal. It's good to know that hams everywhere are sharing the same fun, and struggling with the same problems as we are here at home. (Well, OK, they don't have *that* lid on their repeater, but they've got their own version of him.)

So join me in welcoming Frank to the hallowed pages of the *Repeater Journal* - my first appointment as new editor. Drop him a line, send him a picture (he's got high-speed internet), write him a short story and let's get Kentucky back on the map!

Gary KN4AQ - editor

Want *RJ* Coverage Of your Club & Activities?

It's Simple!
Contact your Repeater Journal State News Correspondent.
Send them your news!
Send them your Club Newsletter!

Correspondent Deadlines are:
FEB. Issue - DEC. 23
MAY Issue - MAR. 23
AUG. Issue - JUN 23
NOV. Issue - SEP. 23
Find your State correspondent listed on page 2.
Read their column - find their address!

Your State Correspondent and The SERA Repeater Journal We're can do it for you!

SERA Repeater Journal
The Official Voice of SERA, Inc.

What is Interference-Free Local Repeater Operation Worth to you?

Supporting SERA, Your Local Amateur Repeater Coordinator, Helps Make it Possible!

JOIN SERA AND GET THE REPEATER JOURNAL!

SERA Repeater Journal
The Official Voice of SERA, Inc.

SAVE 33% OR $4.00 OFF THE COVER PRICES
Fill out the application below, mail with your check to:
SERA MEMBERSHIP P.O. BOX 215 TOBACCOVILLE, NC 27050

Yes! I Want to Support SERA and Get the Repeater Journal

Please make check payable to: SERA Membership *(Please Print Carefully Below)* RJ 08-01

Name______________________________ Call__________
Address____________________________ Date__________
City________________________ State________Zip__________
Phone [______] ______ ________ ARRL Member { } YES { } NO
E-Mail Address______________________________________
(IMPORTANT: Please Print above information carefully & Legibly)
$__________ **Enclosed for ____Year(s) Membership.**

Check correct Box

New Member [ ]
Cost: $8.00 per Year
(Max sign up - 2 Years)
Journaled Mailed Bulk Rate

Renewing Mbr [ ]
Cost: $8.00 per Year
(Max sign up - 2 Years)
Journaled Mailed Bulk Rate

HOT-P Mbr [ ]
Cost $14.25 per Year
(Max sign up - 1 Year)
Journal Mailed 1st Class

DEADLINES
To receive the next regularly scheduled Repeater Journal, your application must arrive at the Tobaccoville Post Office Box by Quarterly Deadline times below:
FEB. - By Jan.15th
MAY - By Apr. 15th
AUG - By Jul. 15th
NOV - By Oct. 15th

(800) 727-WIRE (9473)

That's all you need to know about Wire, cable and their accessories!

20 Years of quality & service!

http://www.thewireman.com

FOR SERVICE, PRICES, INFO - CALL:

(800) 727-9473

The Wireman™ Inc.

TECH HELP (864) 895-4195

E-Mail: n8ug@thewireman.com

Treasures Of The Earth
Gem & Jewelry Shows

Rose & Van Wimmer
WA4TLH & WA4BIX

Gems, Minerals, Fossils
Opals, Crystals, Beads
Custom made Jewelry.
Repairs while you wait.

Aug. 9-11..................Dalton, GA
NW GA Trade & Conv Center

Sept. 13-15.........Asheville, NC
National Guard Armory

Oct. 4-6.........Indianapolis, IN
Indiana State Fairgrounds

Oct. 11-13...............Dayton, OH
Dayton Hara Arena

Nov 15-17 Charlottesville, VA
National Guard Armory

www.toteshows.com

Get the Hammer!

And let's get technical

Randy McKenzie, KB4YFV
3661 AIRPORT RD.
HILLSVILLE, VA 24343
kb4yfv@hotmail.com

Sometimes you need a toolbelt!

Greetings all from the house building arena! My new home is nearing completion, and by press time I should be painting and installing flooring. The coax cables have already been run into the attic too for future HAM use...

My wife, Mary Jo, has been helping me on Saturdays on the house. I am not sure if she is helping because she wants into the house faster, or maybe feels sorry for me. We are doing most all of the work ourselves. It is hard long hours, but very rewarding. She has been a real help, even just coming there while I'm wiring helps me. I think she comes around to giggle at me when I mash my thumb!

Mary's help on the house got me curious about how many of you share your hobby with your spouse? I know several around the area that the husband and wife are very active, while others really don't have a clue about the hobby.

My other hobbies include Model Railroading. I have loved trains since I was very small, but I realized that it was a hobby that Mary didn't understand. Much like HAM radio. Try explaining the hobby to someone, and most of them will assume it's like the CB days, and we all have those funny little handles. To Mary, my models are just "toys." Never mind it is a very accurate GP-9 locomotive. To your spouse, is your radio just a CB?

We each have our own reasons for being a HAM, but most of us have a fascination with radio. The way you can take a coathanger, do a little soldering, and talk to someone. Maybe run a wire from the gutter to a tuner and talk to France. Listen to funny beeps and have a conversation (cw) or use a computer or send Slow Scan, playing a game of chess. Explaining how and why it works interests some, but most spouses only know it makes noise, or is something we like to do...

Mary works full time as a Dispatcher, so getting her to talk on a radio at home does not interest her, but she does respect my interests. This brings me to the toolbelt. Mary decides to help me nail siding. I get my spare toolbelt and hammer, load the pocket with nails and take off cutting. She learns quickly, and is a real help. The picture of her, wearing blue warmups, white tennis shoes, a t-shirt, and my toolbelt will be a memory for me forever. A broken fingernail, a scrape or two, and lots of pride in our work, has helped us both have a new home to be proud of. She laughs now about the toolbelt - Tim-the-tool-man she isn't - but she was really a lot of help! Besides, she looks a lot better than Tim! We shared time together, and that's what is important.

We all have different interests, ideas, and desires. Sharing a hobby like HAM radio works for some, and others enjoy it by themselves. Sometimes it's the happiness it brings to us, that relaxing time, hobby time, that allows us to be better people! Share your interests with your spouse if you don't already. You might find a new buddy to take to hamfests!

Remember too that your spouse may not appreciate the fact you stayed up all night working some rare DX on HF, or made ten new contacts on 6 meters, she just knows you didn't sleep and were very grouchy....

Sharing interests such as our hobby can be very rewarding. I remember the first time I ever touched a HF rig at K4QFQ's house. I was lost in all the frequencies, and those weird sideband noises, but Hersey allowed me to "play" and here I am years later, still fascinated!

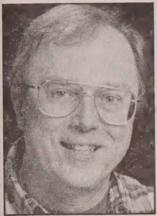
The problem I have now is Mary wants her own personal toolbelt. Try explaining to the guys at Lowe's that you want to order a PINK one!

Till next time, enjoy your hobby, just don't forget the spouse. Winter is coming and the doghouse is COLD! GOD Bless!

Repeater Journal Hamfest Advertisers *In This Issue*

CLUB/HAMFEST	SHOW DATE	AD LOCATION
Benson (JARS) (NC)	November 17	page 49
Catawba Valley, NC (2003)	April 19	page 22
Charleston (SC)		
Chattanooga (SC)	October 26	page 41
Knoxville, TN	June 9	page 12
Lawrenceville (Stone Mt.) GA	Nov. 2-3	page 9
Gainesville, GA	July 12, 2003	page 43
Myrtle Beach, SC	November 9	page 45
Oak Ridge, TN	October 19	page 42
Raleigh, NC	April 13 (2003)	page 17
Rock Hill (SC)	October 5th	page 56
Salisbury, NC	July (2003)	page 19
Shelby, NC	Aug. 31, Sept. 1	page 4-5
Virginia Beach	September 28-29	page 15
Winchester, VA	August 4	page 15
Winston-Salem, NC	June 8	page 57

Attend and Support as many of your area Hamfests You Possibly Can. It's lots of Fun!!!



Getting Started

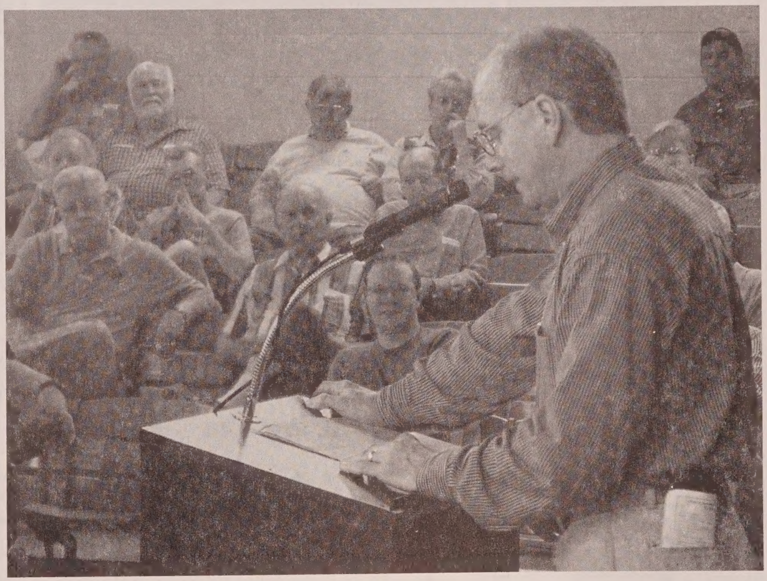
GARY PEARCE, KN4AQ
kn4aq@sera.org
116 WATERFALL CT.
CARY, NC 27513

Riley at Raleigh

Have you ever heard Riley Hollingsworth K4ZDH speak at a hamfest? My guess is that a lot of you have, but more of you have not. You all know who he is, right? OK, the rigor of journalistic standards compels me to say that he is the FCC's Special Council for Amateur Radio Enforcement. Yes, the acronym is SCARE, though I read something about dropping the "E" a while ago. About four years ago Riley appeared from apparently nowhere to rekindle the FCC's dormant Amateur Radio enforcement duty. If you're a new ham, Riley represents both a recent phenomenon and the roots of Amateur Radio.

Riley (it always feels more comfortable to call him "Riley" rather than "Hollingsworth," even in a straight news story where I don't feel quite as free to goof around like I do in this column) comes to a lot of hamfests to talk to hams. The first thing he said at the Raleigh hamfest last April was "The best part of my job is coming to meetings like this and talking to people who really care about Amateur Radio." But even though the meeting rooms where he speaks are often filled to capacity, most of the hams at the fest are still out there combing the flea market. So that's why I suspect many of you have never heard him speak.

He is low key. Very low key. And often funny. Unless you're from California. And he has sort of a stump speech that he gives at each venue, so each time I've seen him, his talk has been more and more familiar. But it's not always the same speech - he updates it as events dictate.



I've seen him now maybe five times, the last time at Raleigh. If I'm at a hamfest where he's appearing, I won't miss him, even though I know he'll cover a lot of the same ground. It feels really good to listen to him talk about Amateur radio.

I said he came from nowhere, but that just reflects how suddenly things changed when he began the enforcement job in 1998. Riley's been an attorney with the FCC for a long time, working the enforcement beat for other services. He's been a ham since he was 15, in South Carolina. And one of the topics he always covers in his stump speech is how much hams owe the ARRL for the return of FCC enforcement, and the continued existence of the service. It was a letter from the League that prompted the Commission to create Riley's job in the Enforcement Bureau, after ignoring most enforcement complaints for a decade.

Maybe implied in Riley's recognition of the ARRL's role in keeping Amateur Radio alive is the fact that a lot of hams don't like the ARRL for one reason or another. Hams don't have an exclusive on disgruntlement - listen to any AM radio talk show these days. But we're up there with the best of 'em. To this day you can go to an ARRL forum at a hamfest and hear someone complain about something called "Incentive Licensing" - a plan the ARRL proposed that caused General Class hams to lose a few small (but prized) slices of spectrum unless they upgraded to Advanced or Extra - *back in 1968.*

Whatever your beef with the ARRL, old or new, Riley wants you to know that without the ARRL there would not only be no enforcement, there likely wouldn't be an Amateur Radio. All the big spectrum interests are on Capitol Hill every day, spending millions and millions to press their position on our legislators. Amateur Radio has the ARRL, and your letters now and then.

Then there is our on-air behavior. If you're a new ham, especially one with experience only on FM and repeaters in SERA territory, you might be baffled by some of what Riley refers to. There is a small contingent of badly behaved hams out there, clustered on a few HF frequencies, and on repeaters in the largest metro areas (mostly in California). Here in SERA-land you might have come across the occasional malicious jammer or potty-mouth, but the guys Riley's talking about make it a daily crusade. Foul language, hateful and bigoted speech, and jamming are what these people see as the fun of Amateur Radio.

They're a tiny minority, but you can hear them on HF almost any day. And a visitor to Los Angeles or San Francisco, tuning around on two meters, might be in for a rude surprise on a repeater or two. Some of it is illegal (and enforcement is in progress). A lot of it is just obnoxious. Where it could cost all of us is when our rivals for spectrum play recordings of this behavior for legislators in the US, or representatives at world conferences, and say "*this* is Amateur Radio! Do they deserve spectrum?" Riley says the worst of Amateur Radio is as bad or worse than the worst of CB.

Despite this, and despite being in a job where he's constantly sifting through our hobby's biggest problems, Riley is upbeat. He sees today "the greatest future for Ham Radio we've seen in 25 years." Technological advances, participation in public service, and the great majority of hams who care about the service have him feeling encouraged.

Even if most of them are still out shopping in the flea market. A few minutes after he's done talking, he'll be joining them. If you haven't seen Riley at a hamfest, you've missed seeing something, someone, becoming legend. Next time, go. ■

Hattiesburg Hams Provide Triathlon Communications

James Delancey WC5H

A group of 12 hams provided communications for the 14th Annual Hattiesburg Triathlon, held at Big Bay Lake which is slightly SW of Hattiesburg, Mississippi.

HATTIESBURG
AMATEUR
RADIO
CLUB
105

Pictured is Lex Mason KD5XG, operateing the command post and relaying info to the race officials. With the help of maps, the rest of us positioned ourselves at equal distances around the 18.4 mile bike track.

We were able to help them keep up with where the bikers were at all times. We reported things such as dogs chasing bikers, biker wrecks/injuries, and dangerous traffic. This info was relayed by hams to law enforcement and other emergency personnel.

The last biker was a 15 year old that a ham followed around the track until he gave up from exhaustion. He was picked him up and taken to the finish line where his concerned dad was waiting. I think his dad would have been a lot more worried without us there to keep an eye on him and report back to him.

We were in a romote area not covered by repeaters, and for the most part, we used mobile rigs to communicate from our cars. Lex ran the command post with a homemade j-pole pulled up to about 20 feet with a piece of nylon string. It worked fine and is a true testimonial to j-pole antenna performance and illustrated how antennas can be used in an emergency situation.

The only improvement for next year mentioned was to get more hams to participate and to coordinate our efforts with the local volunteer fire dept. and/or others. A portable repeater could make it possible to use handhelds to cover the whole event.

The hams participating include W5UHF, K5QNB, AD5HG, W4KGJ, KD5ELS, AC5E, WC5H, K5MDD, AG5Z, KD5JTV, KG4CKW, and KD5XG

This was fun and a great way to show the public what we are about.

Adventures on the ~~Bus~~... Luxury Coach to DAYTON!

Jim Hightower, W4JLH

The ***NC4BL Express*** departed the Piedmont area on May 16th, 2002 for it's third annual trek to the Dayton Hamvention, stopping to pick up passengers in Burlington, Gibsonville, Greensboro, Kernersville, Winston-Salem and Mount Airy in NC, and additional ham radio operators in Hillsville and Wytheville, Virgina.

We were about 30 minutes behind schedule from Greensboro, due to a little miscommunication. A total of 41 Amateur Radio operators and one SWL set out on yet another adventure to the Dayton Hamvention. A majority of the folks were returning for a second or third year aboard the luxury coach (don't call it a *bus,* please!)

In addition to hams from the Triad area, some came from the eastern part of

ROCK HILL HAMFEST
SATURDAY, OCTOBER 5th
At Knight's Stadium, Ft. Mill, SC *I-77 Exit 88*
(the Baseball exit)
- *INDOOR AND OUTDOOR MAJOR DEALERS*
- *AUCTION (bring equipment)*
- *GIANT PAVED OUTDOOR FLEAMARKET*
- *VE TESTING, 10 AM*

Admission and unlimited outdoor Flea Market space: $6.00

Grand Prize: Icom 2100H - many more!

Gates open at 6:00 AM ● Talk-in on 147.03 -600
Breakfast & BBQ Lunch

For Further info: Billy Hallman - (803) 366-6906 bhallman@cetlink.net

the state, Greenville SC, Virginia, and one guy flew in from Oklahoma to go with a friend of his from Raleigh.

Our lunch stop was at a Bob Evans Restaurant in Charleston WV. Trying to get 42 people seated and served at lunch time could be a long, drawn-out affair, but organizer Bill Lundy called ahead and we all were seated right away. Trying to please everyone with a choice of places to eat is out of the question, but there were very few complaints about our meals this year.

The coach is equipped with a VCR and several TV monitors. One of the guys brought along several tapes of old Johnny Carson *Tonight* shows and we laughed most of the way up there.

Trying to keep the cost down in the previous two trips, Bill had booked our lodging in motels in the Dayton area. Those of you who haven't made the trips may recall stories being told about the "less than luxurious" accomodations in the past. Last year there were encounters with some good ole boys from Alabama and their "fresh kill" possum stew. Then, the breakfast nook across the street at the horse racing track lacked adequate personnel and space and the cook really didn't know how to fix that southern staple, grits. Mr. Lundy corrected that right away. Even some of our lady hams doubled as waitresses; and did an excellent job, I might add.

We appreciated the gesture of an affordable trip, but were really glad to hear that we were staying at the University of Dayton student dorm this year. Each suite had two bedrooms, with two single beds in each room and one bathroom to be shared. Towels, washcloths and linens were provided. There were no televisions in the rooms, a welcome relief to some, but a lounge with cable TV was available most of the time for the few who wanted it.

As in any endeavor of this sort, there were some initial glitches with room assignments. Bill quickly intervened and soon we were all unpacked and ready for the evening meal. Some of us had strangers for roommates, but quickly adjusted to the new friends.

This was the 24th consecutive year that Bill Lundy made the trip to Dayton, so we trusted his judgment in the choice of dining places. With one exception (the pizza place), all of our meals were buffet style and the variety of food selections was excellent.

On Friday, after a great breakfast at the campus dining hall (it was so good we elected to eat our next two breakfast meals there) we departed the campus for the Hamvention. Let me interject right here that we never traveled the same route going and coming to the campus. It seems the campus map was designed for someone totally familiar with the Dayton area and several critical streets were omitted from it. As the unofficial "navigator" I accept the credit for some of our unofficial tours of the residential areas. I did have help from the "peanut gallery" in the second row who made suggestions which sometimes overruled my own. But, we always managed to arrive at our destinations in spite of ourselves.

After dropping off exactly half of our group at the Hamvention site, the rest of us elected to visit or re-visit the **US Air Force Museum.** We had about two hours here and left for the hamfest at 1:00 p.m. A trip to the museum is worth the trip to Dayton. If you ever get the chance, you need to spend most of the day here to see all of the aircraft that has been used by our country in all of the wars and conflicts since the turn of the 20th century. There is no admission fee, so why not? It is truly worth the time you'd spend there.

Back to the Hamvention. It seems the weather is always nasty in Dayton at the Hamvention and this year was no exception. Rain and cold all day Friday. Temperatures in the mid thirties Friday night. Saturday, the rain subsided and cold windy weather prevailed. This is Dayton. Expect bad weather, and come prepared for anything. The dorm rooms were a might chilly because they had turned the heat off when school was out this semester. Those who needed them got extra blankets from the front desk.

This is the largest hamfest in the world. Vendors come from all over the globe and so do the hams. Trying to stay in touch with your group via simplex frequencies is quite a challenge due to all of the RF interference and the multitudes of people crowded onto the same frequency. I heard many people using the UHF family radio frequencies as an alternative.

Our coach was literally loaded down with all kinds of radio, computer, and assorted electronic gear when we left for the campus on Saturday afternoon.

One in our group is a computer programmer and had one entire compartment filled with computer stuff. Said he was going to start a museum of some sort. He sure had enough antique junk to do it with.

Sunday morning we arose early enough to be loading up at 6:45 a.m. so we could make breakfast by 7:00 a.m. After another unplanned tour of the southern Dayton area, we finally found the right exit ramp and began our journey home. And what a beautiful day for traveling. We appreciated the clear blue sky, but how nice it would have been a day earlier.

After another meal at Bob Evans in Charleston, West Virginia, and three toll booth stops on I-77 we were dropping off our Virginia neighbors in Wytheville and Hillsville.

If you would like to be a part of this adventure next year, e-mail Bill Lundy at NC4BL@surry.net and let him know of your intentions. The list will fill fast because many of the previous attendees have already indicated they will return in 2003. ■

Thanks to all our vendors and friends for making the
Winston-Salem Hamfest
a success! See you next year - June 2003

Spotlight Your "STUFF" Here - $30 per Block/Per Year (4 issues)

146.970 — 146.895 — 444.950

VIRGINIA BEACH EMERGENCY
AMATEUR REPEATER SOCIETY

WA4KXV

Repeaters by the Sea

144.39 APRS

OAK RIDGE TN

The Oak Ridge ARC Invites you to our -

2002 HAMFEST

October 19, 2002

WEB: www.korrnet.org/orarc/
INFO: d.bower@ieee.org

Grand Strand ARC Proudly Presents

BEACHFEST 2002

MYRTLE BEACH, SC

NOVEMBER 9, 2002

www.w4gs.org/beachfest/
beachfest2002@w4gs.com

Sew, whatever . . .

Embroidery and Monogram

Visit our website: sewwhatever.com

Cindy and Bill Naivar
190 Hayes Trace
Hiram, GA 30141
cindy@sewwhatever.com
Phone/Fax: 770-577-3070

Hats Jackets

Shirts CallSigns

Welcome to the

KD4MYE Repeater System

Youngsville, NC - 145.110 & 53.370
Raleigh, NC - 147.015

For Friendly, Family Oriented Amateur Radio Fun!

email: kd4mye@aol.com

Lanierland Amateur Radio Club

Hamfest / Computer Expo 2003

Georgia Mountains Center
Downtown Gainesville, GA
Air-conditioned Arena-Covered Tailgating
Saturday, July 12, 2003 8am 'til 3pm

For more information, contact:

Terry Jones, W4TL
770-967-6364
w4tl@arrl.net

John Vaughn, WA4ZQP
770-887-2548
wa4zqp@flash.net

Ken Parrish, KN4UO
770-867-9833
kn4uo@mindspring.com

KC4QPR Repeater Systems

Walker-Top Mt. - Morganton,NC

146.745- & 442.300+

Dedicated to Public Service

Nets: XYL Mon 8:30PM - C-VET Thurs 8:30PM

Looking for 24/7 Links From Murphy to Manteo

kc4qpr@vistatech.net

The Knoxville (TN) Hamfest

Electronic Expo
6-9 pm Fri.
JUNE 13

Main Event
9-4 pm Sat.
JUNE 14

For More Info: (865) 670-1503
Web: www.w4bbb.org
E-mail: d.bower@ieee.org

Blowing RF Smoke Along

Interstate 26 & 95

W4DTW

147.825-147.225

THE

ST. GEORGE, SC REPEATER

Exit 77 - I-95

Use Spotlight Page To:

- ✓ **Announce Your Net**
- ✓ **Promote Your Repeater**
- ✓ **Promote Your Club**
- ✓ **Promote Your Business**
- ✓ **Extra Hamfest Listing**

Friendly Hams Since 1973

Blue Ridge 2m Net

146.610(-) at 9PM Nightly

from Caesars Head Mountain, covering the western Carolinas and northeast Georgia

---

STARGATE

STARGATE is the proud sponsor & host of the SERA Web Page & SERA E-Mail Servers. ***STARGATE*** nationally serves the two Virginias with local access from Beckley, Bluefield, Fayetteville, Hinton, Lewisburg, Logan, Oak Hill, Princeton Richlands, and Tazewell.

For more information call

1-877-570-STAR (877-570-7827)

STARGATE is a National full service Internet Service Provider

Visit our home page at: www.stargate.net

Visit our SERA home page at:
www.sera.org

STARGATE

ALEX N8FWL

MID-SUMMER SWAPFEST

Since 1973, always the

3rd Saturday in July

Cary ARC, P.O. Box 53 - Cary, NC 27512

Hometown Computers

Web Services - PC Leasing (NC) - eCommerce

http://www.hometown-computers.com
sales@hometown-computers.com

(919) 644-0049 Message Center
(919) 245-0929 Fax

Murray D. Adams *WA4DAN*
20+ Years Experience
Insured, Workers Comp

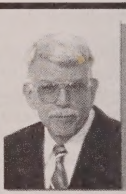
Adams Tower Services Inc.

1-800-401-0190

Inspections, Painting, Maintenance, Repair, Tower Lighting & Strobes, Lines & Antennas, Plumb & Tension

P.O. Box 585
Fountain, NC 27829
Email: adamstower@aol.com
Web: www.adamstower.com

Office: 252-749-2535
Shop: 252-753-5700
Toll Free: 1-800-401-0190
Fax: 252-749-2722
Cell: 252-916-0446



LARRY HOLT
Sales & Marketing

(919) 789-5034 DIRECT LINE
(919) 571-3533 FAX
holtl@hpw.com E-MAIL

HOWARD PERRY
AND WALSTON

COLDWELL BANKER

5509 CREEDMORE ROAD
RALEIGH, NC 27612

MLS

TOTAL ELECTRONICS CO.

Electronic Equipment
Repair-Repaint-Silk Screen

Specializing in Heath. Equip Repairs
Custom Mixed Amateur Paints & Parts
Silkscreening also available!

Orders, Service & Fax: (336) 229-5671
(After 5:00 PM M-F & Sat. 8-1)

Email: ke4lgx@yahoo.com
Web: http://nctotalelectronics.com

TOTAL ELECTRONICS CO.

1216 Hwy. 54, Sweps Rd. - P.O. Box 158
Swepsonville, NC 27359

For All Your Amateur & Electronic Repairs

Mike Shelton, KE4LGX C.E.T.

DOWN EAST HAMFEST

Kinston, N.C.

MARCH 23, 2003

Information - (252) 524-5724

THANKS FOR A GREAT 2002!

The SERA Repeater Journal Southeastern
HAMFEST/CONVENTION SCHEDULE

Hamfest dates marked with an asterisk (*) are **NOT** confirmed and are based on information on record from the previous year's date, with no guarantee of accuracy.

Hamfest sponsors are urged to get their correct dates to the ***Repeater Journal*** Editor as soon as possible (editor@sera.org).

We acknowledge and appreciate assistance in confirming dates from SERA & ARRL Directors; the ARRL, Commercial Dealers, and the response of many clubs and individuals sponsoring ham and computerfests.

Deadline for November Issue is October 1, 2002

AUGUST, 2002

3 . . . . HF at Wm. Byrd H.S. VINTON, ROANOKE, VA
3 . . . Voice/ Aladdin ARC Hamfest, COLUMBUS, OH
3. . . . . Hamfest, EILLIJAY, GA
4 . . . . 52nd Annual Winchester HF, BERRYVILLE, VA
4. . . . . Hamfest at Stuben Co. Frgrnds, ANGOLA, IN
4. . . . . HF at Nat'l Grd. Arm, LEXINGTON, KY
10 . . . . . . Hamfest, at Meth. Col., FAYETTEVILLE, NC
10 . . . . . TARA HF & Comp. Show, HUNTINGTON, WV
17-18. . . . . Hamfest, AL Sec. Conv., HUNTSVILLE, AL
18 . . . . Warren ARA Hamfest, WARREN, OH
24 . . . WV State Conv/HF, (Jksons Mill) WESTON, WV
25 . . . . Short Mt. RC, Hamfest, LEBANON, TN
30-Sep 1 . . Hamfest at Cleveland Co. FG, SHELBY NC

SEPTEMBER, 2002

7 . . . . Owen Cty ARA Hamfest, SPENCER, IN
7 . KY St. ARRL Conv/HF-Bullit FG, LOUISVILLE, KY
7-8 . . . Columbia ARA/FAR Hamfest, FRIENDSHIP, MD
8. . . . . . Findlay Radio Club Hamfest, FINDLAY, OH
8 . . . . Butler Cty ARA Hamfest, BUTLER, PA
14. . . . . Paulding ARC Hamfest, DALLAS, GA
21 . . . . . . Arrl St. Conv./Hamfest, LITTLE ROCK, AR
22. . . . . Hamfest Assn. of Clev. HF, CLEVELAND, OH
22 . . . . . Greater Cinci ARA Hamfest, CINCINNATI, OH
27-28 (Fri-Sat) . . . Ten-Tec Hamfest, SEVIERVILLE, TN
28-29 . . . *New Location* Hamfest, VIRGINIA BEACH, VA
28* . . . . . . *CANCELLED !* . . . Hamfest, DOTHAN, AL
28*. . . . . Day in Park HF, STARKVILLE, MS
~~29~~ . . . . . *FAR HF moved, combined w/Columbia ARS hamfest on Sept. 8-9,* ~~BOWIE, MD~~

OCTOBER, 2002

5. . . . . KCARC Hamfest, BOWLING GREEN, KY
5 . . . . Hamfest/Computer Fair, ROCK HILL, SC
12*. . . . . Stafford ARA Hamfest, STAFFORD, VA
12*. Hamfest, STARKE, FL
12 . . ARC of Augusta, HF/Comp Show, AUGUSTA, GA
13 . . . . Hamfest, MAYSVILLE, NC
19 . . . . NW GA ARC Hamfest, ROME, GA
19 . . . . Gr. Jax HF Hamfest, JACKSONVILLE, FL
19 . . . . Hamfest, OAK RIDGE, TN
26* . . . HF at C.Jordan in E.Ridge, CHATTANOOGA, TN
26 . . . Sumter ARC Hamfest/Comp. Fair, SUMTER, SC
27 . . . . Massillon ARC Hamfest, CANTON, OH

NOVEMBER, 2002

1-2 (Fri-Sat) . . . . . Baton Rouge Hamfest, BAKER, LA
2-3. . . GA ARRL Conv./Hamfest, LAWRENCEVILLE, GA
9 . . . . . Beachfest/Fleamarket, MYRTLE BEACH, SC
9* . . . . Hamfest at St. Fairgrnds, MONTGOMERY, AL
9*. . . . . Hamfest, PORT. ST. LUCIE, FL
15-16* (fri-sat) . . . . . Hamfest, OCEAN SPRINGS, MS
16* . . . . Twin City Hams, Hamfest, MONROE, LA
16-17* . . . . Hamfest, FT. WAYNE, IN
17* . . . . JARSFEST at American Legion, BENSON, NC
22-23 West Jackson Co. Hamfest, OCEAN SPRINGS, MS
23* . . . . EARS Hamfest, EVANSVILLE, IN

DECEMBER, 2002

7. . Union Cty ARC Hamfest, Fairgrounds, UNION, SC

JANUARY, 2003

4. . . . . . . HF at Talley Ward RC, MORRISTOWN, TN
12-13* . . . . Ft. Myers ARC Hamfest FT. MYERS, FL
11 . . . . Hamfest, GREENWOOD, SC
11*. . . . . Dial RC Hamfest, MIDDLETOWN, OH
12* . . . . Hamfest, SOUTH BEND, IN
18*. . . . . Hamfest at SLU Univ., HAMMOND, LA
18*. . . SCARA Hamfest at Civic Center, GALLATIN, TN
18-19*. . . . . Hamfest, SARASOTA, FL
25* . . . . DeSoto ARC Hamfest, ARCADIA, FL
26*. . . . . Md Mobileers ARC Hamfest, ODENTON, MD
26* . . . . Tusco ARC Hamfest, DOVER OH

FEBRUARY, 2003

2*. . . . . MS St ARRLConv/HF, JACKSON, MS
1* . . . . . Hamfest at Stall HS, N. CHARLESTON, SC
1-2*. . . . . SE ARRL Div Conv/HF, MIAMI, FL
7-9*. . . . Hamfest, Central Florida FG, ORLANDO, FL
8-9. . . . . DixieFest Hamfest, MEMPHIS, TN
9* . . . . Hamfest, MANSFIELD, OH
9* . . . . ARRL VA State/FrostFest, RICHMOND, VA
15* . . . . Hamfest, SEBRING, FL
22* . . . . Dalton ARC Hamfest, DALTON, GA
23* . . . . Hamfest, Nat'l Grd. Armory, ELKIN, NC
23 . . . . . Hamfest, Fayetteville HS, FAYETTEVILLE, WV
23 . . . . Hamfest, ZEPHYRHILLS, FL

MARCH, 2003

1*. . . . . . Gulfcoast ARC HF, NEW PORT RICHEY, FL
1* . . . . . .AR River Val. Hamfest, RUSSELLVILLE, AR
1*. . . 26th Mam. Cave ARC Hamfest, CAVE CITY, KY
1* . . . . Kerbela Hamfest at Temple, KNOXVILLE, TN
2* . . . . Vienna WA Winterfest, ANNANDALE, VA
7-9* . . . . LA State ARRL Conv/HF, RAYNE, LA
8* . . . . Hamfest, HARRISON, AR
8*. . . . . Hamfest, PORT CHARLOTTE, FL,
8-9* . . . . HF/Comp. Show, CHARLOTTE, NC
15. . . . Hamfest at Coonskin Amry, CHARLESTON, WV
16* . . . . Toledo MRA Hamfest, MAUMEE, OH
23. . . . . Downeast HF - Lenior Cty. FG, KINSTON, NC
23*. . . . . Lake Cty ARA Hamfest, MADISON, OH
29* . . . . . Middle TN ARS Hamfest, TULLAHOMA, TN
29-30 . . . . . ARRL MD St.-Conv/HF, TIMONIUM, MD

APRIL, 2003

5*. . . . . Hamfest, ELIZABETHTOWN, KY
5-6* . . . . . . Gr. Jax HF Hamfest, JACKSONVILLE, FL
6*. . . . Ft. Smith Area ARC Hamfest, FT. SMITH, AR
7*. . . . Swapfest at Tombigbee St. Pk., TUPELO, MS
13 . . . . . NC St. ARRL Conv./RARSFest, RALEIGH, NC
19. . . . Chesapeake ARS Springfest, CHESAPEAKE, VA
19 . . . . . Catawba Val. HF & Comp., MORGANTON, NC
19*. . . . Nashville ARC Tailgate Party, NASHVILLE, TN
25-26* . . . . . . Little Rock Hamfest, LITTLE ROCK, AR
26*. . . . . Cherokee Cap. ARS Hamfest, CALHOUN, GA
26*. . . . . Bankhead ARC Hamfest, MOULTON, AL
26* . . . . 5th Salkehatchie Tailgate Party, WINSOR, SC
26* . . . . Hamfest, GAINESVILLE, FL
27* . . . . Athens Co. ARA Hamfest, ATHENS, OH
27* . . . . Hamfest, CANFIELD, OH

MAY, 2003

4-4*. . . . . . MO St. ARRL Conv/HF, LEBANON, MO
3* . . . . Upstate Hf, SPARTANBURG, SC
3*. . . . . Big Sandy ARC Hamfest, LOUISA, KY
3*. . . . . Hamfest, GRAYSONVILLE, MD
3-4*. . . . . Birminghamfest, BIRMINGHAM, AL
4* Hmfst, Fayette Co. Mem Bldg, FAYETTEVILLE, WV
4*. . . . . . Antietam RA Hamfest, HAGERSTOWN, MD
4* . . . . Jax Cty ARC Hamfest, RIPLEY, WV
10 . CANCELLED!! Plateau ARA Hamfest, BECKLEY, WV
10*. . . . . Johnson Cty ARC, MOUNTAIN CITY, TN
16-18 . . . . Dayton Hamvention, DAYTON, OH
17* . . . . Sadler's Creek St. Pk., ANDERSON, SC
17* . . . . . Roanoke ARS Swapfest, WILLIAMSTON, NC
17*. . . . . Hamfest, STATESBORO, GA
24*. . . . . Hopkins Co. ARA, MADISONVILLE, KY
24*. . . . . . Dur-HamFest at S. Sq. Mall, DURHAM, NC

JUNE, 2003

?*. . . . . Atlanta RC Hamfest, ATLANTA, GA
?*. . . . . Tailgate Party, SILVER POINT, TN
?* . . . Ole Va Hams, Hamfest at FG, MANASSAS, VA
?*. . . . . Starved Rock Hamfest, PRINCETON, IL
6-7* (Fri eve-Sat) Hf/Comp Show, PASCAGOULA, MS
7*. . . . . HF/Computer Fair, ALBANY, GA
7* . . . Franklin ARRA Picnic/Tailgate, FRANKLIN, VA
7* . . W-S Classic at Dixie FG, WINSTON-SALEM, NC
8*. . . . . NKyARC Hamfest, EDGEWOOD, KY
13-14 (Fri eve-Sat) . . . Elec. Expo/HF, KNOXVILLE, TN
15*. . . . . Frederick ARC Hamfest, FREDERICK, MD
22* . . . . Eastern Shore Hamfest, EASTON, MD
22*. . . . . Hamfest, ZEPHYRHILLS, FL
28-29. . . . . ARRL FIELD DAY

JULY, 2003

?* . . . . Firecracker HF at Civic Cen, SALISBURY, NC
12 . . . . ARRL GA State Conv/HF, GAINESVILLE, GA
12* . . . . Hamfest at Bradley HS, CLEVELAND, TN
19 . . . . Midsummer Swapfest, CARY, NC
19*. . . . . . RCARS Hamfest at Cdr Pt. Pk, DAYTON, TN
25-26* (fri-sat). . . . Milton ARC Hamfest, MILTON, FL
26* . . . . OH-KY-IN ARS Hamfest, CINCINNATI, OH
26* . . . . WCARS HF, Hywd Co. FG, WAYNESVILLE, NC
27*. . . . . . Portage Cty ARC Hamfest, RANDOLPH, OH
27* . . BRATS HF and Computer Fest, TIMONIUM, MD

2003 CONFIRMED DATES

Aug. 6 . . . . 53rd Winchester HF, BERRYVILLE, VA
Oct. 18 . . . . . Gr. Jax HF Hamfest, JACKSONVILLE, FL

2004 CONFIRMED DATES

July 17 . . . . Mid-Summer Swapfest, CARY, NC

REPEATER JOURNAL
NEWS-STAND DEALERS

Alabama Radio
Anniston, AL
Communications HQ
Wilmington, NC
C.T. Morgan & Assoc.
Chattanooga, TN
Ham Radio Outlet
Atlanta, GA
IRI Amateur Elec.
Greensboro, NC
Rosewood Co.
Elko, SC

Pick up Extra Copies of the Repeater Journal For your Friends!

IT'S A PROVEN FACT - JOURNAL HAMFEST ADS PAY FOR THEMSELVES! SUPPORT REPEATER JOURNAL ADVERTISERS at your service!

Repeater Journal Advertisers index

Alinco Electronics (CA) . . . . .COV. IV
ARRL Membership (CT) 52
Charleston Hamfest (SC) 44
Charlotte Hamfest (NC) 48
Chattanooga Hamfest (TN) 41
Commercial Printing Service (NC) 47
Communications HQ (NC) . . . . . . .COV. III
Comp. Automa. Technologies (FL) . . .8,20
Den-Tronics (MI) 48
Gainesville Hamfest (GA) 43
JARSfest (Benson) (NC) 49
Journal Advertising Rate Card 51
Journal Hamfest Sponsor Listings 54
Kenwood Electronics (CA) 6
Lawrencevile (Stone Mt) Hamfest (GA) .9
Maggiore Electronic Labs (PA) 46
Morganton (Catawba) Hamfest (NC) . .22
Myrtle Beach Hamfest (SC) 45
NCG Companies (Comet) (CA) . . .Cov. II
NHRC Repeater Controllers (NH) 11
Oak Ridge Hamfest (TN) 42
Raleigh Hamfest (NC) 17
RF Connection (MD) 16
Rock Hill Hamfest (SC) 56
Rosewood Co. Books (SC) 13
Salisbury Hamfest (NC) 19
Shelby Hamfest (NC) 4-5
Sign Man of Batan Rouge (LA) 7
"Spotlight Page" - Rptrs, Clubs, etc. . . .58
Ten-Tec, Inc 17
Treasures of the Earth Gem/Mineral . .54
Virginia Beach Hamfest 15
The Wireman (SC) 54
Winston-Salem Hamfest (NC) 57
WCARS VEC (TN) 19

ADVERTISE IN THE REPEATER JOURNAL!

Join or renew as a SERA Full Member Repeater

SouthEastern Repeater Association, Inc.

The not-for-profit Recognized Repeater Coordinator for: GA, KY, MS, NC, SC, TN, VA, & WV

2002 Repeater Full Membership Application

Please fill out the this short form SERA Full Member Application completely. Maximum number of letters for your repeater name is 14 characters. Be sure to list 2 persons as SERA representatives. ONLY these two will have voting rights, and receive the *Repeater Journal*. MAIL YOUR CHECK AND APPLICATION TO: SERA FULL MEMBERSHIP, P.O. BOX 215, TOBACCOVILLE, N.C. 27050. Deadline to be listed as member in the May 2002 ***Repeater Journal*** is April 10, 2002.

	CITY/ MTN. ETC. (MAX 14 LETTERS)	RPTR CALLSIGN	INPUT FREQ.	OUTPUT FREQ
RPTR #1				
RPTR #2				
RPTR #3				
RPTR #4				

USE AS MANY LINES ABOVE AS YOU HAVE REPEATERS-ONE FOR EACH REPEATER. IF MORE SPACE NEEDED, USE SEPARATE SHEET OF PAPER.

NAME TWO PERSONS WHO WILL REPRESENT SERA AS FULL MEMBERS. EACH WILL RECEIVE THE *REPEATER JOURNAL*.

NAME________________ CALL________
ADDRESS ________________
CITY__________ STATE____ ZIP____
HOME PHONE #: (   ) __________
E-MAIL ADDRESS: __________
ARRL MEMBER: [ ] YES [ ] NO

NAME ________________ CALL________
ADDRESS________________
CITY__________ STATE____ ZIP____
HOME PHONE #: (   ) __________
E-MAIL ADDRESS: __________
ARRL MEMBER: [ ] YES [ ] NO

FULL MEMBERSHIP: [ ] NEW [ ] RENEWAL - **($20.00 FOR YEAR 2002 - 1/1/02 thru 12/31/02)** FEE ENCL. - AMOUNT $______
REPEATER IS SPONSORED BY: (Name of Club OR Owner)________________
REPEATER TRUSTEE'S NAME________________ CALLSIGN ________

IF A 2002 SERA REPEATER DATASHEET WAS NOT RECEIVED LAST OCTOBER, INDICATE PERSON'S NAME AND ADDRESS TO SEND 2003 TO:

NAME ________________ CALLSIGN________
ADDRESS__________ CITY__________ STATE____ ZIP____

■ *IMPORTANT NOTE: ONLY OFFICIALLY SERA COORDINATED, ON-AIR, OPERABLE REPEATERS ARE ELIGIBLE FOR SERA FULL MEMBERSHIP*
An application for SERA Full Membership status, and the payment of the respective dues thereof, does NOT constitute coordinated status for the repeater(s) listed on this application or accompanying sheets. Contact your local coordinator to learn how to obtain coordinated status.

THANK YOU FOR YOUR GENEROUS FINANCIAL SUPPORT OF THE SOUTHEASTERN REPEATER ASSOCIATION, INC. - YOUR LOCAL COORDINATOR

RJ 11-01

REPEATER OWNERS

There is nothing like letting your friends and users know you support SERA. Full Member repeaters are designated in our indexes by the little ☺. Don't be "un-smiley" ☹, fill out the application above and send it in. Two persons will be Full Member Representatives and get the Repeater Journal for 2002.

SERA Repeater Journal
The Official Voice of SERA, Inc.

COMMUNICATION HEADQUARTERS, INC.

3832 OLEANDER DRIVE, WILMINGTON, NC 28403 USA
technical (910) 791-8885 fax orders (910) 452-3891

Hours: Mon-Fri 10-5:30; Sat 10-3 ET
e-mail to chq@chq-inc.com
Order Line 800-688-0073
CHQ for all your ham equipment

5 EASY WAYS TO PURCHASE

1. Call our order or quote line 800-688-0073
2. Fax your order to 910-452-3891
3. Stop by our store and take it home
4. Add your wants to our web site http://chq-inc.com wish list and e-mail it to all your friends or favorite elf.
5. Place your SECURE online order on our in-house high speed Web Site 24 hours/day http://chq-inc.com

YAESU

VX-150
2 meter

VX-5RS
2m+6m+440Mhz

VX-7R
2m+6m+440Mhz

FT-817
HF+6+2+440Mhz

FT-100D
HF+6+2+440Mhz

FT-2600M
2 meters

FT-1500M
2 meters

FT-8900 *
2m+6m+10m+440Mhz

FT-897 *
HF+6+2+440Mhz

FT-90R
2m+440Mhz

MARK-V-FIELD
HF deluxe

* Not FCC type accepted and not for sale at press time.

FT-847
HF+6+2+440Mhz

Your new YAESU is waiting for you at Communication Headquarters. Get it today!

MARK-V-FT1000
HF and 200 watts

Check out our web site at www.chq-inc.com - Designed for fast and secure information when you want it!

Meet Our New Family of Mobile/Base Transceivers

Fantastic Features • Rugged • Good Looking • Superior Alinco Value!

Each member of our new "family" includes:

- 100 memory channels
- Large alphanumeric display
- CTCSS and DCS encode+decode, DTMF encode and European Tone Bursts
- Large, comfortable backlit mic
- Ten autodial memories
- Accepts optional EJ-41U internal 1200/9600 TNC
- Rear panel DSUB9 serial connector for packet operation
- Front panel input for GPS/APRS® operations
- Ignition key on/off feature
- Theft alarm feature
- Multiple scan modes including CTCSS and DCS
- Available with classic black(T) or pewter(TG) colored chassis
- Narrow FM operation feature
- 1200/9600 bps capability with internal or external TNC
- Wire clone feature

ALINCO
BACKLIT DTMF ELECTRET CONDENSER MICROPHONE EMS-56
ALINCO
VHF FM TRANSCEIVER DR-135
145.000
TX
DATA
VOL PWR
SET MW SHIFT LOCK H/L
FUNC V/M MHz TS/DCS CALL SQL

DR-135T/TP/TG/TPG 2 Meter FM Transceiver

Additional features include:

- 144 ~ 148 MHz TX/RX
- AM Airband RX (118 ~ 136 MHz)
- Extended Receive 136 ~ 174 MHz (FM)
- MARS capability
- 50/10/5 watt power output settings
- Available with or without internal 1200/9600 TNC
  TP and TPG include factory-installed TNC

By Popular Demand!

DR-235T/TG 222 MHz FM Transceiver

Additional features include:

- Amazing low price for 222 MHz
- 222 ~ 225 MHz TX/RX
- Extended receive 216 ~ 280 MHz (FM)
- 219 ~ 220 MHz TX/RX capability (see FCC rules)
- MARS capability
- 25/10/5 watt power output settings
- Accepts optional EJ-41U 1200/9600 internal TNC

ALINCO
BACKLIT DTMF ELECTRET CONDENSER MICROPHONE EMS-56
ALINCO
VHF FM TRANSCEIVER DR-235
223.500
BUSY
TX
DATA
VOL PWR
SET MW SHIFT LOCK H/L
FUNC V/M MHz TS/DCS CALL SQL

ALINCO
BACKLIT DTMF ELECTRET CONDENSER MICROPHONE EMS-56
ALINCO
VHF FM TRANSCEIVER DR-435
446.000
TX
DATA
VOL PWR
SET MW SHIFT LOCK H/L
FUNC V/M MHz TS/DCS CALL SQL

DR-435T/TG 440 MHz FM Transceiver

NEW!

Additional features include:

- 430 ~ 450 MHz TX/RX
- Extended receive 350 ~ 511 MHz (FM)
- All memories capable of odd splits
- 35/10/5 watt power output settings
- Accepts optional EJ-41U 1200/9600 internal TNC

www.ALINCO.com

Distributed in North America by ATOC Amateur Distributing LLC • 23 S. High St., Covington, OH 45318 • (937) 473-2840
Product intended for properly licensed operators. Permits required for MARS/CAP use. Specifications subject to change without notice or obligation.
Performance specifications only apply to amateur bands. APRS is a registered trademark of Bob Bruninga, WB4APR.